



University of Stuttgart • Division 3 • 70550 Stuttgart

Tareq Abu El Komboz  
Pfaffenwaldring 64B3  
70569 Stuttgart

**Contact details**

Student Service and Examination  
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Pfaffenwaldring 5c  
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Student ID number:  
3405686  
Academic semester: 6  
Stuttgart, 10/29/2025

## Transcript of Records

### Major: Computer Science - Master of Science

**ECTS Credits: 114**

**Grade: 1.3**

You have so far achieved the following examination results or are registered for the following examinations:

| Module Title            |                                                       | Attempt | Date              | Grade      | ECTS         | Status    | Remarks |
|-------------------------|-------------------------------------------------------|---------|-------------------|------------|--------------|-----------|---------|
|                         |                                                       |         |                   |            | CP           |           |         |
| <b>Computer Science</b> |                                                       |         |                   | <b>1.3</b> | <b>114.0</b> |           |         |
| <b>Auflagen</b>         | <b>Required Modules</b>                               |         | <b>10/01/2022</b> |            |              | <b>PA</b> |         |
| <b>100</b>              | <b>In-Depth Modules</b>                               |         | <b>02/29/2024</b> | <b>1.3</b> | <b>27.0</b>  | <b>PA</b> |         |
| <b>101</b>              | <b>Advanced seminar</b>                               |         | <b>02/29/2024</b> | <b>1.3</b> | <b>3.0</b>   | <b>PA</b> |         |
| <b>76770</b>            | <b>Advanced Seminar</b>                               |         | <b>02/29/2024</b> | <b>1.3</b> | <b>3.0</b>   | <b>PA</b> |         |
| 7677100000              | Hauptseminar                                          | 1       | 02/29/2024        | 1.3        |              | PA        |         |
| <b>102</b>              | <b>Advanced Module Series</b>                         |         | <b>09/19/2023</b> | <b>1.3</b> | <b>24.0</b>  | <b>PA</b> |         |
| <b>29330</b>            | <b>Advanced Module Series: Information Systems</b>    |         | <b>03/03/2023</b> | <b>1.7</b> | <b>12.0</b>  | <b>PA</b> |         |
| 2933100000              | Information Systems                                   | 1       | 03/03/2023        | 1.7        |              | PA        |         |
| <b>29340</b>            | <b>Advanced Module Series: Intelligent Systems</b>    |         | <b>09/19/2023</b> | <b>1.0</b> | <b>12.0</b>  | <b>PA</b> |         |
| 2934100000              | Intelligent Systems                                   | 1       | 09/19/2023        | 1.0        |              | PA        |         |
| <b>200</b>              | <b>Specialization Modules</b>                         |         |                   |            | <b>54.0</b>  |           |         |
| <b>210</b>              | <b>TMG-INF</b>                                        |         | <b>02/23/2022</b> | <b>1.0</b> | <b>6.0</b>   | <b>PA</b> |         |
| <b>78900</b>            | <b>Introduction to Modern Cryptography</b>            |         | <b>02/23/2022</b> | <b>1.0</b> | <b>6.0</b>   | <b>PA</b> |         |
| 7890100000              | Introduction to Modern Cryptography                   | 1       | 02/23/2022        | 1.0        |              | PA        |         |
| <b>220</b>              | <b>MINF</b>                                           |         |                   |            | <b>18.0</b>  |           |         |
| <b>55600</b>            | <b>Advanced Information Management</b>                |         | <b>09/11/2023</b> | <b>1.3</b> | <b>6.0</b>   | <b>PA</b> |         |
| 5560100000              | Exam Advanced Information Management                  | 1       | 09/11/2023        | 1.3        |              | PA        |         |
| <b>55630</b>            | <b>Information Visualization and Visual Analytics</b> |         | <b>02/26/2024</b> | <b>1.0</b> | <b>6.0</b>   | <b>PA</b> |         |

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|               | Module Title                                                 | Attempt | Date              | Grade      | ECTS        | Status    | Remarks         |
|---------------|--------------------------------------------------------------|---------|-------------------|------------|-------------|-----------|-----------------|
|               |                                                              |         |                   |            | CP          |           |                 |
| 5563100000    | Information Visualization and Visual Analytics               | 1       | 02/26/2024        | 1.0        |             | PA        |                 |
| <b>71760</b>  | <b>Security and Privacy</b>                                  |         | <b>09/08/2023</b> | <b>2.3</b> | <b>6.0</b>  | <b>PA</b> |                 |
| 7176100000    | Security and Privacy                                         | 1       | 09/08/2023        | 2.3        |             | PA        |                 |
| <b>230</b>    | <b>Complementary Specialization Modules</b>                  |         | <b>10/10/2025</b> | <b>1.3</b> | <b>30.0</b> | <b>PA</b> |                 |
| <b>232</b>    | <b>Modules from MINF</b>                                     |         | <b>03/29/2024</b> | <b>1.0</b> | <b>12.0</b> | <b>PA</b> |                 |
| <b>48550</b>  | <b>Practical Course Information Systems</b>                  |         | <b>10/12/2023</b> | <b>1.0</b> | <b>6.0</b>  | <b>PA</b> |                 |
| 4855100000    | Practical Course Information Systems                         | 1       | 10/12/2023        | 1.0        |             | PA        |                 |
| <b>103250</b> | <b>Laboratory Course Artificial Intelligence</b>             |         | <b>03/29/2024</b> | <b>1.0</b> | <b>6.0</b>  | <b>PA</b> |                 |
| 1032510000    | Laboratory Course Artificial Intelligence                    | 1       | 03/29/2024        | 1.0        |             | PA        |                 |
| <b>233</b>    | <b>Accepted 6 CP</b>                                         |         | <b>10/10/2025</b> | <b>1.5</b> | <b>6.0</b>  | <b>PA</b> | <b>accepted</b> |
| 2330000000    | Anerkannte Prüfung<br>Parallel and Distributed Computing     | 1       | 10/10/2025        | 1.5        |             | PA        | accepted        |
| <b>234</b>    |                                                              |         | <b>10/10/2025</b> | <b>1.4</b> | <b>6.0</b>  | <b>PA</b> | <b>accepted</b> |
| 2340000000    | Anerkannte Prüfung<br>Software Process Improvement           | 1       | 10/10/2025        | 1.4        |             | PA        | accepted        |
| <b>237</b>    |                                                              |         | <b>10/10/2025</b> | <b>1.9</b> | <b>6.0</b>  | <b>PA</b> | <b>accepted</b> |
| 2370000000    | Anerkannte Prüfung<br>Web and Database Computing             | 1       | 10/10/2025        | 1.9        |             | PA        | accepted        |
| <b>900</b>    | <b>Interdisciplinary Key Qualifications</b>                  |         | <b>12/22/2023</b> |            | <b>3.0</b>  | <b>PA</b> |                 |
| <b>912</b>    | <b>Interdisciplinary Key Qualifications</b>                  |         | <b>12/22/2023</b> | <b>PA</b>  | <b>3.0</b>  | <b>PA</b> | <b>accepted</b> |
| A00013626     | Interdisciplinary Key Qualifications<br>AI Incubator Batch 3 | 1       | 12/22/2023        | PA         | 3           | PA        | accepted        |
| <b>80200</b>  | <b>Master's Thesis Computer Science</b>                      |         | <b>02/27/2025</b> | <b>1.3</b> | <b>30.0</b> | <b>PA</b> |                 |
| 8020100000    | Master's Thesis Computer Science                             | 1       | 02/27/2025        | 1.3        |             | PA        |                 |

This transcript of records contains all of your examination data digitally stored by the Central Administration of the University of Stuttgart.

## Errors / Missing data

If you believe that the notification of examination results contains an error, please contact the Student Service and Examination Office of the University of Stuttgart.

## Notes

Please note the regulations in your examination regulations concerning number of attempts, withdrawals and deadlines. The examination regulations remain unaffected during leaves of absence.

## Explanations

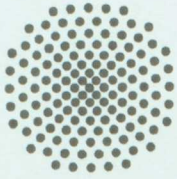
Explanation of abbreviations and columns:

|         |                                      |                                                                                     |
|---------|--------------------------------------|-------------------------------------------------------------------------------------|
| Attempt | Number of attempts at an examination |                                                                                     |
|         | 1                                    | 1 <sup>st</sup> attempt                                                             |
|         | 2                                    | 2 <sup>nd</sup> attempt (1 <sup>st</sup> repetition)                                |
|         | 3                                    | 3 <sup>rd</sup> attempt (2 <sup>nd</sup> repetition)                                |
| Date    |                                      | date of examination (if applicable, date of oral repeat examination)                |
|         | or                                   | date of submission of term paper, research project or final thesis                  |
|         | or                                   | date when a 5.0 grade was assigned because an examination was not taken in due time |
|         |                                      |                                                                                     |
| ECTS CP | ECTS credit points                   |                                                                                     |
| Grade   | d.d                                  | grade                                                                               |
|         | 1.0 - 1.5                            | very good: excellent performance                                                    |
|         | 1.6 - 2.5                            | good: performance considerably exceeding the average standard                       |
|         | 2.6 - 3.5                            | satisfactory: performance meeting the average standard                              |
|         | 3.6 - 4.0                            | sufficient: performance meeting the minimum criteria                                |
| Status  | RE                                   | registered                                                                          |
|         | PA                                   | passed                                                                              |
|         | RL                                   | loss of right to admission to examination                                           |
|         | FA                                   | failed                                                                              |
| Remark  | accepted                             | grade recognized by examination committee                                           |
|         | automReg                             | automatically registered                                                            |
|         | free/noc                             | free attempt / to annul grade                                                       |
|         | free/grade                           | free attempt / to improve grade                                                     |
|         | ill                                  | excused due to illness                                                              |
|         | oral                                 | oral repeat examination                                                             |
|         | failed/n-a                           | failed / non-attendance                                                             |
|         | admission/r                          | admission to take examination rejected                                              |
|         | withdraw/t                           | withdrawal within time                                                              |
|         | withdraw/p                           | examination committee permitted withdrawal                                          |
|         | with reser                           | registered with reservation                                                         |
|         | deception                            | deception                                                                           |
|         | Zw.Note                              | current overall grade (this is not the final grade)                                 |
|         | Verw. 5.0                            | administrative fail (5.0)                                                           |
|         | Mne                                  | did not appear for oral repeat examination (5.0)                                    |

|                                                                                                                         |                                          |                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Universität<br/>Stuttgart</b> | <b>Unterzeichner/<br/>Signed by</b>      | Universität Stuttgart                                                                                                                                           |
|                                                                                                                         | <b>Datum/Date</b>                        | 2025-10-29T21:50:18+01:00                                                                                                                                       |
|                                                                                                                         | <b>Prüfinformation/<br/>Verification</b> | Dieses Dokument wurde elektronisch signiert. In digitaler Form ist es fälschungssicher. This document is digitally signed. In digital form it is forgery-proof. |

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Translation



**University of Stuttgart**  
Germany

## **Degree Certificate**

The University of Stuttgart confers on

Mr.

**Tareq Abu El Komboz**

born July 23, 2000

the academic degree

**Bachelor of Science (B.Sc.)**

after having passed the examinations for a Bachelor's Degree in the subject

**Computer Science**

in accordance with the current examination regulations.

A final grade report has been issued.

Stuttgart, November 02, 2022

**University of Stuttgart**

**Disclaimer:**

Informative translation.

Only German original has legal status.



Seal of the University of Stuttgart



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contact](http://www.student.uni-stuttgart.de/en/contact)

Student ID number:  
3405686  
Academic semester: 8  
Stuttgart, 10/29/2025

## Transcript of Records

### Major: Computer Science - Bachelor of Science

**ECTS Credits: 180**

**Grade: 1.9**

You have so far achieved the following examination results or are registered for the following examinations:

|                         | Module Title                                                      | Attempt | Date              | Grade      | ECTS         | Status    | Remarks |
|-------------------------|-------------------------------------------------------------------|---------|-------------------|------------|--------------|-----------|---------|
|                         |                                                                   |         |                   |            | CP           |           |         |
| <b>Computer Science</b> |                                                                   |         | <b>11/02/2022</b> | <b>1.9</b> | <b>180.0</b> | <b>PA</b> |         |
| <b>100</b>              | <b>Basic Modules</b>                                              |         | <b>08/19/2020</b> | <b>2.0</b> | <b>60.0</b>  | <b>PA</b> |         |
| <b>10190</b>            | <b>Mathematics for Computer Scientists and Software Engineers</b> |         | <b>08/23/2019</b> | <b>2.3</b> | <b>18.0</b>  | <b>PA</b> |         |
| 1019100000              | Mathematics for Computer Scientists and Software Engineers        | 1       | 08/23/2019        | 2.3        |              | PA        |         |
| <b>10280</b>            | <b>Programming and Software Development</b>                       |         | <b>04/01/2019</b> | <b>2.3</b> | <b>9.0</b>   | <b>PA</b> |         |
| 1028100000              | Programming and Software Development                              | 1       | 04/01/2019        | 2.3        |              | PA        |         |
| <b>12060</b>            | <b>Data Structures and Algorithms</b>                             |         | <b>09/19/2019</b> | <b>1.0</b> | <b>9.0</b>   | <b>PA</b> |         |
| 1206100000              | Data Structures and Algorithms                                    | 1       | 09/19/2019        | 1.0        |              | PA        |         |
| <b>36530</b>            | <b>Computer Organization</b>                                      |         | <b>09/12/2019</b> | <b>2.7</b> | <b>6.0</b>   | <b>PA</b> |         |
| 3653100000              | Computer Organization 1                                           | 1       | 09/12/2019        | 2.7        |              | PA        |         |
| <b>78620</b>            | <b>Theoretical Computer Science I</b>                             |         | <b>02/26/2019</b> | <b>1.3</b> | <b>6.0</b>   | <b>PA</b> |         |
| 7862100000              | Theoretical Computer Science I                                    | 1       | 02/26/2019        | 1.3        |              | PA        |         |
| <b>78630</b>            | <b>Theoretical Computer Science II</b>                            |         | <b>08/19/2020</b> | <b>2.7</b> | <b>6.0</b>   | <b>PA</b> |         |
| 7863100000              | Theoretical Computer Science II                                   | 1       | 09/04/2019        | 5.0        |              | FA        |         |
| 7863100000              | Theoretical Computer Science II                                   | 2       | 08/19/2020        | 2.7        |              | PA        |         |
| <b>78650</b>            | <b>Foundations of Computer Engineering</b>                        |         | <b>04/04/2019</b> | <b>1.7</b> | <b>6.0</b>   | <b>PA</b> |         |
| 7865100000              | Technische Grundlagen der Informatik Prüfung                      | 1       | 04/04/2019        | 1.7        |              | PA        |         |
| <b>200</b>              | <b>Core Modules</b>                                               |         | <b>09/09/2021</b> | <b>2.0</b> | <b>63.0</b>  | <b>PA</b> |         |
| <b>210</b>              | <b>Compulsory Modules</b>                                         |         | <b>08/08/2020</b> | <b>2.0</b> | <b>27.0</b>  | <b>PA</b> |         |

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|              | Module Title                                                                                                                | Attempt | Date              | Grade      | ECTS        | Status    | Remarks |
|--------------|-----------------------------------------------------------------------------------------------------------------------------|---------|-------------------|------------|-------------|-----------|---------|
|              |                                                                                                                             |         |                   |            | CP          |           |         |
| <b>78660</b> | <b>Programming Project</b>                                                                                                  |         | <b>05/06/2020</b> | <b>PA</b>  | <b>6.0</b>  | <b>PA</b> |         |
| 7866100000   | Programming Project Exam                                                                                                    | 1       | 05/06/2020        | PA         |             | PA        |         |
| <b>78670</b> | <b>Numerical Fundamentals</b>                                                                                               |         | <b>08/08/2020</b> | <b>2.0</b> | <b>6.0</b>  | <b>PA</b> |         |
| 7867100000   | Numerical Fundamentals (PL), written examination, 90 min, weight 1.0, preliminary work: course certificate                  | 1       | 08/08/2020        | 2.0        |             | PA        |         |
| <b>78680</b> | <b>Statistical and Stochastic Fundamentals</b>                                                                              |         | <b>03/12/2020</b> | <b>2.0</b> | <b>6.0</b>  | <b>PA</b> |         |
| 7868100000   | Statistical and Stochastic Fundamentals (PL), written examination, 90 min, weight 1.0, preliminary work: course certificate | 1       | 03/12/2020        | 2.0        |             | PA        |         |
| <b>78730</b> | <b>Theoretical Computer Science III</b>                                                                                     |         | <b>02/27/2020</b> | <b>2.0</b> | <b>6.0</b>  | <b>PA</b> |         |
| 7873100000   | Theoretische Informatik III                                                                                                 | 1       | 02/27/2020        | 2.0        |             | PA        |         |
| <b>78740</b> | <b>Scientific Methods in Computer Science</b>                                                                               |         | <b>02/08/2020</b> | <b>PA</b>  | <b>3.0</b>  | <b>PA</b> |         |
| 7874100000   | Wissenschaftliche Methoden in der Informatik                                                                                | 1       | 02/08/2020        | PA         |             | PA        |         |
| <b>220</b>   | <b>Compulsory Elective Modules</b>                                                                                          |         | <b>09/09/2021</b> | <b>2.0</b> | <b>36.0</b> | <b>PA</b> |         |
| <b>2201</b>  | <b>Applied Computer Science</b>                                                                                             |         | <b>09/08/2020</b> | <b>2.3</b> | <b>12.0</b> | <b>PA</b> |         |
| <b>10220</b> | <b>Modeling</b>                                                                                                             |         | <b>09/08/2020</b> | <b>2.0</b> | <b>6.0</b>  | <b>PA</b> |         |
| 1022100000   | Modeling                                                                                                                    | 1       | 09/08/2020        | 2.0        |             | PA        |         |
| <b>40090</b> | <b>System Concept and System Programming</b>                                                                                |         | <b>05/18/2020</b> | <b>2.7</b> | <b>6.0</b>  | <b>PA</b> |         |
| 4009100000   | System Concept and System Programming                                                                                       | 1       | 05/18/2020        | 2.7        |             | PA        |         |
| <b>2202</b>  | <b>General Compulsory Elective Modules</b>                                                                                  |         | <b>09/09/2021</b> | <b>1.9</b> | <b>24.0</b> | <b>PA</b> |         |
| <b>10170</b> | <b>Imaging Science</b>                                                                                                      |         | <b>08/26/2020</b> | <b>3.0</b> | <b>6.0</b>  | <b>PA</b> |         |
| 1017100000   | Imaging Science                                                                                                             | 1       | 08/26/2020        | 3.0        |             | PA        |         |
| <b>16500</b> | <b>Software Engineering</b>                                                                                                 |         | <b>03/29/2021</b> | <b>2.0</b> | <b>6.0</b>  | <b>PA</b> |         |
| 1650100000   | Software Engineering                                                                                                        | 1       | 03/29/2021        | 2.0        |             | PA        |         |
| <b>36100</b> | <b>Programming Paradigms</b>                                                                                                |         | <b>09/09/2021</b> | <b>1.0</b> | <b>6.0</b>  | <b>PA</b> |         |
| 3610100000   | Programming Paradigms                                                                                                       | 1       | 09/09/2021        | 1.0        |             | PA        |         |
| <b>78640</b> | <b>Introduction to Information Security</b>                                                                                 |         | <b>03/22/2021</b> | <b>1.7</b> | <b>6.0</b>  | <b>PA</b> |         |
| 7864100000   | Introduction to Information Security                                                                                        | 1       | 03/22/2021        | 1.7        |             | PA        |         |
| <b>300</b>   | <b>Additional Modules</b>                                                                                                   |         | <b>09/06/2021</b> | <b>1.9</b> | <b>30.0</b> | <b>PA</b> |         |
| <b>310</b>   | <b>Elective Modules</b>                                                                                                     |         | <b>08/20/2021</b> | <b>1.7</b> | <b>24.0</b> | <b>PA</b> |         |
| <b>10060</b> | <b>Computer Graphics</b>                                                                                                    |         | <b>04/01/2021</b> | <b>2.0</b> | <b>6.0</b>  | <b>PA</b> |         |
| 1006100000   | Computer Graphics                                                                                                           | 1       | 04/01/2021        | 2.0        |             | PA        |         |
| <b>10110</b> | <b>Basic Principles of Artificial Intelligence</b>                                                                          |         | <b>02/28/2020</b> | <b>2.3</b> | <b>6.0</b>  | <b>PA</b> |         |
| 1011100000   | Basic Principles of Artificial Intelligence                                                                                 | 1       | 02/28/2020        | 2.3        |             | PA        |         |
| <b>10180</b> | <b>Information Retrieval and Text Mining</b>                                                                                |         | <b>02/16/2021</b> | <b>1.3</b> | <b>6.0</b>  | <b>PA</b> |         |
| 1018100000   | Information Retrieval and Text Mining                                                                                       | 1       | 02/16/2021        | 1.3        |             | PA        |         |
| 1018200000   | Information Retrieval and Text Mining (home exercises)                                                                      | 1       | 02/09/2021        | PA         |             | PA        |         |
| <b>39040</b> | <b>Computer Networks</b>                                                                                                    |         | <b>08/20/2021</b> | <b>1.3</b> | <b>6.0</b>  | <b>PA</b> |         |
| 3904100000   | Computer Networks                                                                                                           | 1       | 08/20/2021        | 1.3        |             | PA        |         |
| <b>330</b>   | <b>Elective Modules Master Computer Science</b>                                                                             |         | <b>09/06/2021</b> | <b>2.7</b> | <b>6.0</b>  | <b>PA</b> |         |
| <b>71740</b> | <b>System and Web Security</b>                                                                                              |         | <b>09/06/2021</b> | <b>2.7</b> | <b>6.0</b>  | <b>PA</b> |         |
| 7174100000   | System and Web Security                                                                                                     | 1       | 09/06/2021        | 2.7        |             | PA        |         |
| <b>400</b>   | <b>Key Qualifications Related to the Subject</b>                                                                            |         | <b>07/07/2021</b> | <b>1.9</b> | <b>9.0</b>  | <b>PA</b> |         |
| <b>38610</b> | <b>Seminar- Computer Science 1</b>                                                                                          |         | <b>10/26/2020</b> | <b>1.3</b> | <b>3.0</b>  | <b>PA</b> |         |
| 3861100000   | Seminar - Computer Science 1                                                                                                | 1       | 10/26/2020        | 1.3        |             | PA        |         |

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|---------------|-------------------------------------------------------------------------|---------|-------------------|------------|-------------|-----------|---------|
|               |                                                                         |         |                   |            | CP          |           |         |
| <b>78610</b>  | <b>Bachelor's Research Project: Computer Science</b>                    |         | <b>07/07/2021</b> | <b>2.3</b> | <b>6.0</b>  | <b>PA</b> |         |
| 7861100000    | Bachelor-Forschungsprojekt Informatik                                   | 1       | 07/07/2021        | 2.3        |             | PA        |         |
| <b>900</b>    | <b>Interdisciplinary Key Qualifications</b>                             |         | <b>07/04/2021</b> |            | <b>6.0</b>  | <b>PA</b> |         |
| <b>903</b>    | <b>Domain of Competence 3: Communicative Competencies</b>               |         |                   |            | <b>3.0</b>  |           |         |
| <b>933670</b> | <b>Academic Small Talk and Networking</b>                               |         | <b>07/04/2021</b> | <b>PA</b>  | <b>3.0</b>  | <b>PA</b> |         |
| 9336710000    | Academic Small Talk and Networking                                      | 1       | 07/04/2021        | 1.7        |             | PA        |         |
| <b>78760</b>  | <b>Bachelor-Level Interdisciplinary Lecture Series Computer Science</b> |         | <b>03/04/2019</b> | <b>PA</b>  | <b>3.0</b>  | <b>PA</b> |         |
| 7876100000    | Submission of a paper and a study plan (better: written or oral)        | 1       | 03/04/2019        | PA         |             | PA        |         |
| <b>OP</b>     | <b>Study Assessment Test</b>                                            |         | <b>10/01/2018</b> |            |             | <b>PA</b> |         |
| <b>81100</b>  | <b>Bachelor's Thesis: Computer Science</b>                              |         | <b>11/02/2022</b> | <b>1.3</b> | <b>12.0</b> | <b>PA</b> |         |
| 8110100000    | Bachelor's Thesis Computer Science                                      | 1       | 11/02/2022        | 1.3        |             | PA        |         |

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This transcript of records contains all of your examination data digitally stored by the Central Administration of the University of Stuttgart.

## Errors / Missing data

If you believe that the notification of examination results contains an error, please contact the Student Service and Examination Office of the University of Stuttgart.

## Notes

Please note the regulations in your examination regulations concerning number of attempts, withdrawals and deadlines. The examination regulations remain unaffected during leaves of absence.

## Explanations

Explanation of abbreviations and columns:

|         |                                                                      |                                                                                     |
|---------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Attempt | Number of attempts at an examination                                 |                                                                                     |
|         | 1                                                                    | 1 <sup>st</sup> attempt                                                             |
|         | 2                                                                    | 2 <sup>nd</sup> attempt (1 <sup>st</sup> repetition)                                |
|         | 3                                                                    | 3 <sup>rd</sup> attempt (2 <sup>nd</sup> repetition)                                |
| Date    | date of examination (if applicable, date of oral repeat examination) |                                                                                     |
|         | or                                                                   | date of submission of term paper, research project or final thesis                  |
|         | or                                                                   | date when a 5.0 grade was assigned because an examination was not taken in due time |
| ECTS CP | ECTS credit points                                                   |                                                                                     |
| Grade   | d.d                                                                  | grade                                                                               |
|         | 1.0 - 1.5                                                            | very good: excellent performance                                                    |
|         | 1.6 - 2.5                                                            | good: performance considerably exceeding the average standard                       |
|         | 2.6 - 3.5                                                            | satisfactory: performance meeting the average standard                              |
|         | 3.6 - 4.0                                                            | sufficient: performance meeting the minimum criteria                                |
| Status  | RE                                                                   | registered                                                                          |
|         | PA                                                                   | passed                                                                              |
|         | RL                                                                   | loss of right to admission to examination                                           |
|         | FA                                                                   | failed                                                                              |
| Remark  | accepted                                                             | grade recognized by examination committee                                           |
|         | automReg                                                             | automatically registered                                                            |
|         | free/noc                                                             | free attempt / to annul grade                                                       |
|         | free/grade                                                           | free attempt / to improve grade                                                     |
|         | ill                                                                  | excused due to illness                                                              |
|         | oral                                                                 | oral repeat examination                                                             |
|         | failed/n-a                                                           | failed / non-attendance                                                             |
|         | admission/r                                                          | admission to take examination rejected                                              |
|         | withdraw/t                                                           | withdrawal within time                                                              |
|         | withdraw/p                                                           | examination committee permitted withdrawal                                          |
|         | with reser                                                           | registered with reservation                                                         |
|         | deception                                                            | deception                                                                           |
|         | Zw.Note                                                              | current overall grade (this is not the final grade)                                 |
|         | Verw. 5.0                                                            | administrative fail (5.0)                                                           |
|         | Mne                                                                  | did not appear for oral repeat examination (5.0)                                    |

|                                                                                                                         |                                          |                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
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|                                                                                                                         | <b>Datum/Date</b>                        | 2025-10-29T21:50:17+01:00                                                                                                                                       |
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