



# Curriculum Vitae

## Maximilian Emberger

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### Education

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- 10/2024 – present **B.Sc. Computer Science, Technical University of Munich**  
Current grade: 1.8 (German scale: 1.0 = best, 4.0 = lowest passing grade)
- 06/2024 **Abitur, Benedikt-Stattler-Gymnasium Bad Kötzing**  
Score: 867 / 900 — final grade 1.0
- 10/2022 – 09/2024 **Junior Studies Programme (Frühstudium), TUM & University of Passau**  
Examinations in modules of the Computer Science programme  
Total ECTS earned: 30 (18 at TUM, 12 at Passau)

### Experience & Research

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- 06/2025 – present **Internal IT working student, TNG Technology Consulting GmbH**
- Implemented data syncers (Go) connecting internal tools with external SaaS
  - Developed AI-assisted quality checks for internal workflow outputs
  - Built internal cost-analysis tools tracking company-wide AI tooling spend across all employees
  - Worked with agentic coding on a containerized, in-house developed opencode setup
  - Deployed the resulting services on Kubernetes
- 2026 – present **TUM: Junge Akademie — DNA-based Data Storage Project**
- Research into DNA-based data storage for long-term archiving
  - Reproducing encoding/decoding pipelines with Reed–Solomon error correction
- 08/2022 **Summer Camp, University of Passau**  
Multi-day programme — insights into databases, AI, and related fields  
Developed a social-media application using Python and Django

### Awards & Scholarships

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- 2026 **Accepted into the TUM: Junge Akademie scholarship programme**  
Selective interdisciplinary programme of TU Munich; team-based research project (see Experience above)
- 12/2024 **Scholarship, Stiftung der deutschen Wirtschaft (sdw)**
- 10/2024 **Selected for “Pearls of Computer Science”**  
Initiative of TU Munich for the promotion of talented students
- 07/2024 **Max Weber Programme scholarship**  
Based on participation in the Bavarian elite examination

06/2024

### **Abitur subject prizes — Mathematics & Latin**

- Mathematics prize awarded by the German Mathematical Society (DMV)
- Recognition Prize of the Elisabeth J. Saal Foundation for outstanding W-Seminar paper in Latin

## **Volunteering**

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2023 – present

### **DLRG Blaibach**

Lifeguard certification (Rettungsschwimmer) since 2023

2018 – present

### **Active member, Thenried Volunteer Fire Brigade (FFW Thenried)**

Completed basic firefighter (Truppmann) and radio communications training

## **Skills**

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Languages

**German** (native) · **English** (C1) · **Latin** (Latinum)

Programming

**Java** (advanced) · **Go** · **OCaml** · **C** (basic)