Tobias Betz

CV

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Studies

04/2021 - 04/2023	**Master of Science Software Engineering**, *Ulm University*, est. grade ~ 1.1.

- Emphasis on IT-security
- Master's Thesis in progress at the institute of Software Engineering and Programming Languages: "Analyzing Feature-Model Histories with Binary Decision Diagrams"

10/2015 – 04/2021	**Bachelor of Science Software Engineering**, *Ulm University*, grade 2.8.

- Emphasis on IT-security and networking
- Thesis at the institute of distributed systems
  (grade 2,0): "Comparing and analyzing the CERN email security awareness campaigns" in collaboration with the European Organization for Nuclear Research (CERN)

09/2007 – 06/2015	**High school graduation**, *Illertal-Gymnasium*, Vöhringen.

part-time work

since 04/2022	**Software Engineer**, *Cortex Media GmbH*.
03/2016 – 03/2022	**Reasearch assistant**, *Ulm University*.

- Department II-5 University Sports and Occupational Health Management of Ulm University
  - System- and server administration (CentOS, Ubuntu Server)
  - Agile development with SCRUM
  - Design of development processes with CI / CD (Gitlab, Docker, Kubernetes)
  - Development of a web application for course booking and management (PHP, Laravel)
  - Implementation of a check-in application for the gym of the university (Electron)
  - Organizational work

02/2019 – 12/2019	**Technical student programme / Web Engineer**, *CERN*, Geneva.

- Development of multiple websites (Drupal, PHP, JS)
- Development of multiple extensions for Drupal 8
- Drupal 7 to Drupal 8 migrations

Other projects

- Development of a P2P flag guessing game (React, WebRTC)
- Development of a PWA for an offline password safe without a framework (JavaScript, PHP)
- Development of a web application and API for feature model visualization (Django, Vue)

Language skills

German	Mother tongue
English	C1
French	B2