Felix Fricke

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Angererstrasse 6, 8002 Zürich, Switzerland

PROFESSIONAL EXPERIENCE

Visionbotics KLG   **Zurich, Switzerland**
Co-Founder, Machine Vision   *12/2020-03/2023*
- CEO and management of the software development
- Developed a computer vision defect detection and classification pipeline
- End-to-End development and manufacturing of an anomaly detection device for the plastics film production

9T Labs AG   **Zurich, Switzerland**
Project Engineer, Industrial Automation   *09/2018-06/2020*
- Project management of the development, manufacturing and testing
  of a carbon fiber/plastics 3D-printer for the aerospace industry
- Developed the printer's firmware and CAD/CAM software tools for automation
- Developed printing preprocessing steps with point cloud registration
- Customer contact and resource management

ETH Zurich, Department of Mathematics / Chair of Product Development and Engineering Design   **Zurich, Switzerland**
Teaching Assistant and Tutor   *09/2017-12/2018*
- Organized and led weekly tutorials for 50+ students in the Analysis 1, 2 and 3 courses
- Organized and led weekly project management coaching workshops for student groups

EDUCATION

ETH Zurich   **Zurich, Switzerland**
Bachelor of Science in Computer Science, GPA: 5.2 / 6.0   *09/2019-03/2023*
- Bachelor Thesis: Benders-Like Decomposition for Periodic Timetabling and Routing 6.0/6.0
- Exchange semester: UPC Barcelona, Spain
  with focus on Visual Computing and Machine Learning avg. 5.7/6.0

Bachelor of Science in Mechanical Engineering, GPA: 5.1 / 6.0   *09/2015-09/2019*
- Bachelor Thesis: Computational Method for Structural Synthesis of Discrete Lattice Structures
  using Machine Learning 4.75/6.0
- Focus Project „Carbon Factory": Software Project Management on a year-long project
  to develop a prototype for automated carbon fiber/plastics 3D printing 5.75/6.0

Wilhelmsgymnasium München (Grammar School with a bias on classical humanities)   **Munich, Germany**
Abitur 1.3 (German grading, 95th percentile)   *09/2006-06/2014*

EXTRACURRICULAR ACTIVITIES

AllesKlarSchiff   **Zurich, Switzerland**
Full Stack development of the shop website (www.allesklarschiff.de)   *2017*

Hengxian Middle School, Guangxi, China   **Hengxian, China**
English Teacher (Voluntary Service)   *02/2015-06/2015*

European Youth Parliament (EYP)   **Germany / Netherlands**
Delegate of the Wilhelmsgymnasium München   *2013*

Wilhelmsgymnasium München   **Munich, Germany**
Student Representative   *09/2012-07/2013*

PROFICIENCIES AND ADDITIONAL INFORMATION

Languages   English (fluent), German (native), Latin and Ancient Greek (Latinum and Graecum)
Software   *Languages*: Python, Dart, Javascript, PHP, C#, Java, SQL, MATLAB
                  Platforms/Libraries/Frameworks: TensorFlow, Keras, PyTorch, OpenCV, Flutter, Docker, Unity, Fusion360
Interests   Fencing, Skiing, Opera, Home Automation