

## CAREER OBJECTIVE

Computer science Ph.D. stipend holder with 2 years+ industrial experience is looking for great opportunities in enhance the thesis with great internships opportunities concerning advML and after Ph.D. to continue on this position. Passionate about Machine Learning and its challenges.

## CORE COMPETENCES

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- DL: Classification, Tracking
- Robust, advML
- C++, Python

## PROFESSIONAL EXPERIENCE

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**FRAUNHOFER ITWM, Kaiserslautern, Germany** *Ph.D. Stipend*, Feb 2021 – present

- External Ph.D. student at IWR Heidelberg University
- Department: High Performance Computing (access to quantum computer)
- Task: Analysis of Adversarial Attacks on Deep Neural Networks (Python, PyTorch)

**MBDA-SYSTEMS, Munich, Germany** *Deep-Learning Software Engineer*, Sep 2020 – Jan 2021

- Processing of a real-world dataset (collected by an airplane)
- Observer drone is equipped with non-commercial sensors. Deep learning (LSTM, Recurrent) approaches are needed and will be adapted/evaluated to track objects on the ground. (Tensorflow)

**VIRTUAL VEHICLE, Graz, Austria** *Autonomous Driving Software Engineer*, May 2019 – Aug 2020

- Software engineering for autonomous vehicles (Ubuntu, C++, Python, CARLA Simulator, Docker)
- Managing an EU-Research Project alone from our company's side. Regular online and on-site meetings.
- Confer with clients to discuss their options and goals so that for accessing needed services are developed.

## EDUCATION

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**HEIDELBERG UNIVRERSITY, Heidelberg, Germany** Ph.D. in Computer Science (CS), From Feb 2021

- Expected graduation in December 2023

**GRAZ UNIVERSITY OF TECHNOLOGY, Graz, AUSTRIA** Dipl.-Ing. in CS, May 2019

- GPA: 3.86/4.0 (major: Computer Vision, minor: Pervasive Computing, supplements: Mathematical Foundations)
- 6 weeks research scholarship (Wayne State University, Michigan, USA): Validation of a gene database. Hypergeometric distribution models.
- Tutor positions: "Information Security" (Prof. Rechberger) and "Computational Intelligence" (Prof. Maas)
- Thesis: "A Deep Learning Approach to learn Occlusions in regard to Stereo Images". (Tensorflow, CUDA)

**GRAZ UNIVERSITY OF TECHNOLOGY, Graz, AUSTRIA** Bachelor of Science in CS, Oct 2016

- GPA: 3.77/4.0 (Top 10%)
- Tutor positions: "Numerical Calculation and Linear Algebra" (2016-2017: Prof. Berglez; 2018: Prof. Elsholtz). ~600 students: 2 homework assignments, 2 tests and test proctoring.
- Thesis: "Evaluation and Improvement of the Current Victim Detection System of a Rescue Robot."

## SKILLS & INTERESETS

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- Languages: German (native), English (fluent), Chinese (A2) and French (A1)
- Technology: Linux (high), Python (high), C++ (good), PyTorch (good), Tensorflow (average), Java (sufficient), TCP/IP
- Society: ASVÖ (Allgemeiner Sport Verband Österreich)
- Interests: Machine Learning, Kickboxing, Economics, Robotics, Information Security, Psychology
- Books: Biography - Steve Jobs, Storm of Steel (Autobiography) – Ernst Jünger

## AWARDS

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- StackOverflow: Top 35%
- Sports: 1<sup>st</sup> (light contact) and 2<sup>nd</sup> (semi contact) in Styrian championship 2020