FREDERIK FRAAZ

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github.com/ffraaz

PROFESSIONAL EXPERIENCE

Founder. KonvStack, Munich **June 2023 - Present**

- Built an app for solving math problems, launched on iOS, and attracted paying users (download)
- End-to-end ownership from ideation, design, development, deployment to marketing

Co-Founder. MarginMove, Remote **January 2024 - October 2024**

- Built a marketplace for spots in queues, launched on iOS and Android, and acquired paying users
- Designed the system architecture and implemented the mobile app and backend (code)

Software Engineer. ProSiebenSat.1, Munich **January 2022 - April 2023**

- Implemented ETL steps to merge TV content data from multiple data sources into a unified dataset
- Developed APIs for TV market share prediction and deployed to AWS via infrastructure as code
- Led the migration of the CI/CD pipeline from AWS CodePipeline to GitLab CI/CD

Software Engineer Intern. IAV, Munich **May 2020 - July 2020**

- Trained machine learning models for detecting defects in the sensor wiring of cars

Software Engineer Intern. ANavS, Munich **October 2017 - January 2018**

- Contributed to a sensor fusion framework for high-precision positioning

Research Assistant. Technical University of Munich, Munich **April 2016 - September 2016**

- Built a system for classifying user activities with support vector machines

EDUCATION

Technical University of Munich **April 2018 - November 2021**

- MS in Electrical Engineering and Information Technology (grade: 1.2; top 10% of class)
- Thesis: Accelerated Magnetic Resonance Imaging with Flow-Based Priors (PDF, code)

University of Bologna **August 2019 - February 2020**

- Exchange Semester

Technical University of Munich **October 2014 - January 2018**

- BS in Electrical Engineering and Information Technology (grade: 1.5; top 10% of class)
- Thesis: Domain of Attraction for Gaussian Processes State Space Models (PDF)

PUBLICATIONS AND PRESENTATIONS

- Frederik Fraaz and Reinhard Heckel. Accelerated Magnetic Resonance Imaging with Flow-Based Priors. ISMRM, 2022.
- Georgios Pipelidis, Frederik Fraaz and Christian Prehofer. Extracting Semantics of Indoor Places based on Context Recognition. IEEE PerCom Workshops, 2018.

TECHNICAL SKILLS

- Python (advanced), Matlab (advanced), C (proficient), TypeScript (proficient)
- AWS, GCP, Docker, Terraform, GitLab CI/CD, SQL, PyTorch, NumPy, pandas

LANGUAGES

- German (native), English (C2; TOEFL: 117/120)