

Faidra Anastasia Patsatzi

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EDUCATION

Technical University of Munich (TUM)

Expected Graduation: August 2023

B.Sc. Electrical Engineering and Information Technology, 5th Semester

Current Grade: 1.5

Relevant Coursework: Programming in C, Analysis/Calculus I-III, Linear Algebra, Discrete Mathematics, Statistics and Probability Theory, Algorithms and Data Structures, Introduction to Artificial Intelligence, Strategic Management for Engineers, Introduction to Machine Learning, Communications Systems, Control Systems, System Theory, Digital Design

Achievements: *DAAD Scholarship* (Vollstipendium, Program: Deutsche Auslandsschulen) awarded based on academic criteria, provision of financial aid for the duration of the B.Sc. program in Germany

Deutsche Schule Athen, Greece (High School – Gymnasium)

2014-2020

EP (Abitur): 1.0 - Valedictorian

SKILLS & TECHNICAL TOOLS

Programming Languages: Python, C++, C, MATLAB, basic HTML and CSS

Technologies: Git, Jupyter Notebooks, scikit-learn, Matplotlib, Simulink, MS Office

Languages: German (C2), English (C2), Greek

Soft Skills: Debate (attended 14 international MUN conferences), Organization of own school's MUN conference and moderation of opening & closing ceremonies (DSAMUN 2019)

EXPERIENCE

Apr 2021 – Apr 2022

Software Developer, *Scientific Workgroup for Rocketry and Spaceflight (WARR)*

- Worked on the MOVE-III CubeSat as part of the software implementation team
- Developed the driver of a temperature, pressure and air quality sensor, created unit tests using the GoogleTest framework and contributed to the qualitative analysis of data gathered from a balloon test flight

August 2021-Present

Student Assistant, *Technical University of Munich*

- Assistant at the preparatory mathematics course for incoming electrical engineering students (Vorkurs Mathematik EI) Aug 2021-Oct 2021
- Tutor in programming in C Nov 2021-Feb 2022
- Tutor in system theory Apr 2022-Aug 2022

PROJECTS

January 2022

CommonRoad Search

Python, Jupyter Notebooks

Implemented an A*-Search method with a custom heuristic function and motion primitives to solve at least 70% of all test scenarios provided

June 2022

Personal Website

HTML, CSS

<https://faidraps.github.io/>