

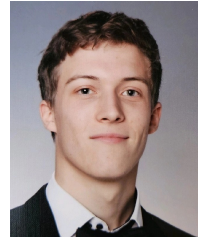
Andreas Fröschl

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in Andreas Fröschl

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Profile summary

Electrical Engineering and IT student with hands-on experience at embedded systems, software development, hardware design and RF-technologies. Passionate about R&D, eager to contribute to innovative solutions.


Employment History

- Jan 2023 – now **Freelancing - Web Design:** Designing and managing the websites of multiple companies
- Jun 2022 – Jul 2022 **Bitmovin GmbH - Test Automation:** Planning, building and programming μ C-based PCB's, enabling the team to remotely test software on multiple smart TV's
- Jul 2021 – Aug 2021 **Klagenfurt Municipal Utilities - Network Engineering:** Planning and configuring networks for schools, hospitals and other public facilities

Education

- Mar 2024 – now **B.Sc. Electrical Engineering and IT, Technical University Vienna**
- Sep 2018 – Jul 2023 **Higher technical college for Electronics and IT, Klagenfurt, Austria**
Thesis title: *AM!Weiner, a fully automatic foosball table*
Grade Average: 1,3

Projects

- 1 Simulating Energy Storage Revenue via a Genetic Learning Approach**  (2024)
Simulating the revenue of a 5MWh $LiFePO_4$ battery trading in the 15-minute day-ahead energy market. The simulation uses historical price data to estimate future performance and applied genetic algorithms to optimize the trading strategy with reasonable computational resources.
- 2 Thesis project: Fully automated foosball table** (2023)
Developed and controlled hardware for a fully automated foosball game, integrating a camera for game observation, four axes for player movement, and eight motor control circuits.

Skills

- Languages **German** - Native speaker
English - Proficient
- Software **Python**, **C/C++**, **Git**, agile workflow, **Linux**, **LaTeX**, **JavaScript**, **MATLAB**
- Hardware **CAD:** Fusion360, Onshape. **circuit simulation:** LTspice, Qspice, Multisim
PCB-design: Eagle, Fusion Electronics, KiCad.
- Misc. **Passionate** about small-scale projects, model aeronautics, and rocketry

Additional Information

- Avionics Engineer at TU Wien Space Team**
- CISCO CCNA1 networking certificate**, done at school
- Amateur Radio License Class A**