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MORITZ MESSNER

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EDUCATION

Bachelor of Science **Technical University of Vienna** **Oct 2022 - Present**

- **Major:** Computer Science and Economics, B.Sc. (in-major GPA: 2.17, lower is better)
- **Programming Coursework:** Programming 1, Formal Modelling, Object-oriented Modeling, Computer Engineering

Italian Matura **J. Ph. Fallmerayer (Bressanone)** **Sep 2016 - Jun 2021**

- **Emphasis:** Computer Science and Telecommunications
- **Relevant Subjects:** Programming, Technology and Planning, Telecommunications, Systems and Networks

EMPLOYMENT

Full Stack Developer **Photogram GmbH** **Jan 2022 - Present**

Cloud-Native Web App that generates georeferenced 3D-Pointclouds from images, videos or laserscan files.

- Represented the company in a R&D project with the free university of bolzano where we successfully developed a machine learning model to recognize pipes and conduits on pointclouds using MaskRCNN and Detectron2
- Independently planned, implemented and maintained several serverless microservices on AWS
- Implemented new features and fixed bugs at each layer of the stack, resulting in a total of more than 500 commits

IT Intern **Durst Group** **Feb 2020 - Feb 2020**

Manufacturer of advanced digital printing and the associated ecosystem of printing inks, software and services

- Assembled, installed and configured routers and switches
- Manage day to day IT issues through the companies ticketing process keeping the IT infrastructure up and running
- Set up new workstations and updated a total of 102 existing ones

Barista (Summer Job) **Gschnagenhardt Alm** **Summer 2017 - Summer 2021**

- Prepared and served drinks in a team of two or three
- Trained new employees
- Responsible for assigning staff and managing inventory

PROJECTS

Paraclub (Paragliding App) **April 2023**

A cloud-native web app with a mobile counterpart built with Capacitor.js. The app aims to replace the need for a variometer by using the device's sensors to provide flight data such as climb rate, speed over ground, position and altitude. Users can also share flights with others, create "clubs" and view flights of their club members. Current flights are shared with club members via a real-time database, allowing pilot to be displayed on a 3D map.

- **Tools Utilized:** AWS, Typescript, Capacitor.js, React, Mapbox GLJS

Measurement and Irrigation System (high school final year project) **June 2021**

An automatic irrigation and measurement system developed as a web-based application that periodically logs data and switches a sprinkler on/off based on the soil humidity. The system at its core consists of two measuring stations (weather and soil), a database, a website and a virtualized server network.

- **Tools Utilized:** HTML, CSS, PHP, MySQL, Python, Javascript, ChartJS, Leaflet

SKILLS

Programming Languages

- Typescript, Python, Java

Languages

- **German:** native
- **English:** working proficiency
- **Italian:** limited working proficiency (B2)

Technology/Libraries

- AWS (& IaC with CDK), React, Git, Jira/Bitbucket, Github

Other

- Organization
- Teamwork
- Positivity