Antonia Alice **Frey**

SOFTWARE ENGINEER

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"I like my code the way I like skiing: fluent, precise and fast."

Summary

Software engineer with a Master's degree in Electrical Engineering and three years of experience as a technical consultant in IT, specializing in frontend development, cloud and business analytics. Passionate about programming and open to learning new technologies. Dedicated to delivering innovative solutions and in devising a better problem-solving method for challenging tasks, and learning new technologies.

Experience

Devoteam
Frankfurt, Germany · Remote

SOFTWARE ENGINEER · IT CONSULTANT — *Since February 2022*

- Development of a CRUD dashboard and a PWA to manage energy and water meters with ReactTS
- Development of a technology radar for visualization and categorization of different technologies in the field of IT with VueTS
- Development of software to complement the CLI tool for network configuration with VueJS
- Test automation with Cypress (and Cucumber) and unit testing with Jest, integration in Gitlabs CI/CD pipeline
- Communication with the backend using REST APIs, Google Maps API and implementation of MongoDB database

ELCA Informatique SA
Granada, Spain

SYSTEM ENGINEER — *Jan. 2021 - Jan. 2022*

- Automation of processes and implementation of new functionality in the ERP software with Python
- Adaptation and debugging of scripts to create business reports with Python and VBA
- Database queries with SQL (MySQL and Oracle) to verify correctness of data
- Business analysis for new features, writing user stories and acceptance criteria
- Organization of client meetings with clients in Switzerland and Spanish, German and French speaking colleagues

Intel Labs
Karlsruhe, Germany

SOFTWARE ENGINEER (INTERNSHIP) — *Aug. 2019 - Jan. 2020*

- Automotive software development for an open-source simulator (CARLA.org) for autonomous driving research
- Programming traffic scenarios which describe traffic situations and vehicle behaviors like a lane change
- Implementing unsupported Parser features as well as testing and debugging existing bugs

BMW M
Munich, Germany

SYSTEM ENGINEER (INTERNSHIP) — *Sep. 2018 - Feb. 2019*

- Developing a windows desktop app with C# to automatically translate bus communication protocols from LIN to CAN and vice versa
- Test drives for antenna measurements in disguised prototype cars
- Organization of the annual tire change in accordance with the vehicle booking and mechanics

Education

Karlsruhe Institute of Technology (KIT)
Karlsruhe, Germany

MASTER OF SCIENCE, ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGY — *2018 - 2020*

- Area of specialization: Systems Engineering