Felix Leander Droop

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About me

I recently graduated and am now looking for a position as a software engineer. My academic studies primarily focused on algorithms and data structures. During my master's program, I also developed a strong passion for software engineering.

Education

Master's Degree in **Bioinformatics** at **Freie Universität Berlin**   Oct 2021 - May 2025
- Focused on algorithms and data structures, while also taking data science/machine learning courses. Mainly used Python, C++ and Rust.
- Grade: 1.0 (GPA: 4.0)

Exchange Semester at **Korea University**   Jul 2023 - Dec 2023
- Practiced cultural exchange, elected courses on information security and Korean studies

Bachelor's Degree in **Bioinformatics** at **Freie Universität Berlin**   Oct 2017 - Oct 2021
- Acquired basic knowledge in computer science, mathematics, programming and bioinformatics. Used Haskell, C, C++, Python and R.
- Grade: 1.3 (GPA: 3.7)

Professional Experience

Student assistant at **Freie Universität Berlin**   Jan 2022 - Dec 2022
- Implemented and analyzed task scheduling algorithms in C++
- Participated in the development of the SeqAn3 modern C++ library for bioinformatics
- Developed a scientific workflow in Python and Snakemake, and executed it on a large compute cluster

Internship at **MicroDiscovery GmbH, Berlin**   Aug 2020 - Oct 2020
- Developed a Java desktop app using JavaFX and CSS styling for the GUI

Internship at **JPT Peptide Technologies GmbH, Berlin**   Jun 2020 - Aug 2020
- Improved accuracy issues of an existing image recognition pipeline and made it more robust to unexpected data
- Used the typical Python data science stack, TensorFlow and OpenCV

Skills

Theoretical: Algorithms, machine learning, parallel/high-performance programming

Programming languages (in descending order of skill level): Rust, C++, Python, Java, C, R

Other technologies: Git, GitHub, Linux, Bash/Shell, SQL, Docker, HTML/CSS

Languages: German (native), English (fluent), Spanish (basic)