

# 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.

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## 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)
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## 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
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## 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)