

# Frederick Anderson

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## SUMMARY

As a dedicated student pursuing a degree in Informatik at Hochschule Darmstadt, my passion lies at the intersection of software engineering and data analysis. I have diligently cultivated a strong coding and problem-solving skillset, always eager to expand my knowledge. I take pleasure in swiftly grasping complex concepts and readily adopting new technologies, with a steadfast commitment to constant adaptation and improvement in the fields of software engineering and data analysis.

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## EXPERIENCE

### Tutor (Object Oriented Analysis and Design)

Hochschule Darmstadt

April 2023 - July 2023, Darmstadt

- Check the code for bugs, make sure the code base is clean, and give feedbacks for better solutions for the code the students have sent (C++).
- Check the correctness and give feedbacks for the UML diagrams they have sent.
- Check the implementation of the strategy patterns (Observer Pattern, Strategy Pattern, etc).

### Mock Scrum (Software Engineering Module)

Hochschule Darmstadt

April 2023 - August 2023, Darmstadt

- Found and fixed bugs and code smells from the code base. (Python).
- Made Unit tests and Integration tests for the code base.
- Deployed it to commit, staging, and production stages using pipeline in gitlab.
- Worked and Finished 2 user stories.
- Used tools such as Docker, Sonarqube, Graylog, and Gitlab.

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## PROJECTS

### Rate My Professor

April 2023 - July 2023

- Rate My Professor is an android app written mainly in Java. It is used to rate and comment the Professors in each module. It is also used to search for the professors details and rating so that students can find the professors that suit them the best.
- Designed and implemented the user interface (UI) using XML, ensuring an intuitive and user-friendly experience for students, and integrated it with Firebase for real-time data management. In Java, I developed the core functionalities, enabling users to rate and comment on professors, search for professor details, and access ratings to help students make informed decisions about their academic choices.

### Dungeon Crawler Game (QT & C++)

October 2022 - January 2023

This game is made using C++ and Qt Creator. The purpose of this game is to reach the treasure while being chased by zombies.

### Intrinsic Value Calculator

August 2020 - August 2020

- This Project is written in Html, CSS, and Javascript. This is used to calculate the intrinsic value of a stock using the formula from a book "Secrets of Selfmade Millionaires" by Adam Khoo.

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## EDUCATION

### Bachelor of Science in Informatik

Hochschule Darmstadt (4th Semester) April 2021 - Now • 1.8 (85 CP)

### T Kurs

Hochschule Kaiserslautern • September 202 - December 2021 • Deutsch (2,3), Mathematik & Informatik(1,7), Physik(1,7)

### Oberschule

Canisius College Jakarta • 2017 - 2020

- top 10 % (Cum Laude)
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## CERTIFICATIONS

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### **Learn Javascript Course**

Codecademy • 2023

### **Analyze Data with SQL Skill Path**

Codecademy • 2023

### **C++ Programmers Course**

Codecademy • 2023

### **Mastering Data Analysis in Excel**

Duke University • 2023

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## SKILLS

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**Advanced:** C++

**Good:** Java, Html, CSS, Javascript, Python, SQL, Excel

**Basic:** QT, PHP, Linux, React

**Languages:** German (C1), English (IELTS 7.5), Chinese (HSK 2).