CONTACT

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As a final year graduate with a BSc in Computer Science, I have developed a strong foundation in multiple programming languages, including Java, React, JavaScript, Python, and SQL.
My academic background has equipped me with skills in data structures and algorithms, object-oriented programming, and database management.

I have hands-on experience in front-end development using React and JavaScript, alongside proficiency in version control systems like Git. My problem-solving abilities, combined with effective communication and teamwork, make me well-suited for collaborative software development environments. I am very eager to apply these skills in real-world projects and contribute to innovative solutions through internships or full-time roles.

EDUCATION

Point High School

2014 - 2019

Stellenbosch University

2020 - 2024
BSc Computer Science

EXPERIENCE

From my time at University, I have done the following Computer Science projects:

- 2024 - Hardware and software based project revolving around temperature regulation in offices. This project was done using React, JavaScript, Python and HTML. I worked in a team which needed to use raspberry pis to read the temperature in a room and then created a web app such that the user can create a floor plan of the office and multiple people from the same company and in those offices have access to their profile
- 2024 - REST API that recreated the functionality of a set of endpoints described in the StackExchange API specification - using Python and Flask to build the API.
- 2024 - Collaborative note-taking web app using React, JavaScript, Typescript, SQL, Express API in a team.

Ernest Lamprecht

PROGRAMMER

SKILLS

- Experience in multiple Programming Languages (React, JavaScript, Java, C, HTML, CSS, Assembly, Python, LaTeX, SQL, Matlab)
- Data Structures and Algorithms
- Database management
- Object Orientated Programming
- Version Control Systems
- Programming
- Communication and teamwork
- Problem-Solving Skills
- Testing and Debugging
- Communication and Teamwork

LANGUAGES
English
Afrikaans

LICENSES
Drivers License

EXPERIENCE

- 2024 - Messaging application like WhatsApp created using Java, designed and developed in collaboration with two other members.
- 2020 - Designed and developed a turn-based strategy game using Java, featuring a grid-based board similar to chess. The game incorporates multiple warriors with unique movements and abilities, along with various elements and potions to enhance gameplay. Players strategize and navigate the grid to achieve victory, blending tactical decision-making with complex game mechanics.
- 2020 - 2024 - used GitLab and Github for all projects.
- 2021 and 2022 - Designed and developed a Compiler in C.
- 2021 to 2023 - Worked on multiple smaller projects using python.
- 2021 and 2022 - Assembly projects for smaller problems testing fundamentals of the language.

From my time at University, I have experience in these fields:

- 2020 to 2024 - During my years of study I had many Applied Mathematics and Mathematics modules and I have done projects including the use of Matlab.
- 2020 to 2024 - I had numerous Operational Research modules which includes experience in using R programming language.

Leadership experience:

Appointed as a Prefect of Point High School 2019

Other experience:

2021 - Worked at Transkaroo Restaurant for vacation work

REFERENCES

Willem Bester

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