Roscoe Kerby

Software Engineer

Contact

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Race
White

ID
9904245157080

Skills

Java

Python

Flutter

Windows

Linux

Interests

Artificial Intelligence

Machine Learning

Green Technologies

I hold an Honours degree in Computer Science (CS), complemented by an undergraduate degree in Mathematical Sciences (CS major), affirming my foundation in both theoretical and applied aspects of technology.

As an experienced full-stack software engineer, I am exploring opportunities with innovative companies that align with my commitment to contributing positively to society. I am passionate about leveraging my skills to address meaningful challenges and make a significant impact on causes and people. In pursuing a role that resonates with my values, I aim to apply my expertise to create well-engineered solutions while fostering substantial professional and societal growth.

Education

2021

BSc Honours: Computer Science

University of Cape Town - Cape Town
Honours research project in gamification and critical success factors in online learning.
Modules: Artificial Intelligence, Human-Computer Interaction, Internet Systems Engineering (masters-level), Network and Internet Security, Research and Innovation, Big Data, Functional Programming, Compilers.

2018-2020

BSc: Mathematical Sciences (Computer Science major)

Stellenbosch University - Stellenbosch
Third-Year Courses: Computer Science, Applied Mathematics, Operations Research, Scientific Computing.

2006-2017

National Senior Certificate

South African College School (SACS) - Cape Town
6 Matric Distinctions, School Information Technology Prize 2015-2017.

Software Engineering Accomplishments and Projects

- Co-developed and published the iOS app "FiddleFit" and the app "LiftT," available on both Apple and Android devices.
- Developed machine learning and AI Python algorithms for image identification and classification, specifically for the IDScan project (see "RECENT PROJECTS" file).

Software Engineering Pipeline Work

- Currently working on multiple new Flutter apps, including a squash match refereeing app, a powerlifting calculator, tic-tac-toe, an advanced colour converter, and a volume measurement calculator.
- Currently writing a Python package for PyPi called "roscode," encompassing scripts for image handling, audio, video, and various utilities.
- Actively learning through tutorials and gaining hands-on experience in personal and company projects.
- Eskom Notifier App: https://roscode.pythonanywhere.com/ (all written in Python and HTML)
- GitHub: https://github.com/roscoekerby

Work Experience

I have worked as a full-time full-stack software developer since the beginning of 2022. At my first job, I was tasked with front-end and back-end work (mostly HTML, JavaScript, CSS, Flutter, C#, Visual Basic, and SQL).

In my current role, I've actively engaged with diverse environments and systems, predominantly utilizing Java, XHTML, and SQL. Noteworthy tools include Eclipse and IntelliJ, while Python adds versatility to my skill set. For a detailed overview of my recent projects, along with the technologies employed and my corresponding responsibilities and roles for each project/client, please refer to the attached PDF titled "RECENT PROJECTS".

Writing

I contribute to the the fields of Computer Science as well as Health & Fitness with articles on Medium: https://medium.com/@roscoe.kerby and https://medium.com/@RepsWithRoscoe respectively.

Other Accomplishments

- Accomplished Western Province tennis and squash player; attended Stellenbosch University on a sports scholarship.
- Played Maties 1st Team Tennis from 2018-2019.
- Achieved a > 1000 lb [> 453.59237 kg] total across squat, bench, and deadlift in powerlifting.
- Host a podcast called "The MUSCLE GROWTH Podcast."