



LEIGTHON MESSINA

JUNIOR SOFTWARE ENGINEER

PERSONAL INFORMATION

Date of Birth: 13 September 2003

Drivers License: Yes

CONTACT

- Phone: 066 466 1333
- Email: leigthonmessina2@gmail.com
- Address: 61 Boschof Way, Westridge, Mitchells Plain

EDUCATION

UNIVERSITY OF CAPE TOWN

- Bachelor of Science in Computer Science & Computer Engineering
- Expected Completion: 2025 (Results Pending)

SKILLS

TECHNICAL SKILLS

- Programming Languages: Java, Python, C#, JavaScript, TypeScript
- Frameworks & Tools: React, .NET, HTML, CSS
- Databases: SQL
- Concepts: Object-Oriented Programming, Data Structures: REST APIs, Software Engineering, Agile Development

Additional Skills

- Computer literate
- Interpersonal Communication

LANGUAGES

- English
- Afrikaans

REFERENCES

Craig Hatting

AWS Team Manager

Phone: 079 137 6198

more references available on request

PROFILE

Final-year Computer Science and Computer Engineering student with hands-on industry experience as a Software Development Intern at Amazon Web Services (AWS). Strong foundation in backend development, software engineering principles, and Agile collaboration. Known for quickly adapting to complex systems, writing production-quality code, and working effectively in team-based engineering environments. Actively seeking a Junior / Graduate Software Engineer role.

INDUSTRY EXPERIENCE

SOFTWARE DEVELOPMENT INTERN

In Person
Jun 2025 - Aug 2025

Amazon Web Services (AWS) EC2 Dedicated Host Team

- Contributed production-quality backend code to internal tooling supporting the EC2 Dedicated Host platform
- Assisted in designing and implementing new backend features to improve reliability and operational visibility
- Enhanced internal service components and developer-facing interfaces used by engineering and operations teams
- Participated in Agile development practices including sprint planning, stand-ups, code reviews, and design discussions
- Delivered code aligned with AWS engineering standards, security best practices, and maintainability guidelines

PROJECTS

Public Transportation Web Application (Final Year Capstone)

Team Project
Aug 2025 - Oct 2025

Python, React, REST APIs, SQL

- Designed and developed a full-stack public transportation web application as part of a final-year capstone project
- Implemented backend services in Python to handle core application logic and data processing
- Designed and exposed RESTful APIs consumed by a React-based frontend
- Integrated a SQL database to support data persistence, querying, and application state management
- Applied software engineering best practices including modular design, API abstraction, and maintainable code structure

Systems, Embedded & Image Processing Projects

C, C++, Embedded Systems

- Developed embedded software in C for STM32 microcontrollers as part of embedded systems coursework
- Implemented low-level functionality involving hardware interaction and basic signal processing concepts
- Completed an image processing project in C++ focusing on data manipulation and performance considerations
- Strengthened understanding of systems-level programming, memory management, and hardware-software interaction

ADDITIONAL EXPERIENCE

CO-FOUNDER & TUTOR

In Person
Apr 2024 - Nov 2024

Intellectus Academy

- Co-founded a tutoring initiative providing Mathematics, Physical Sciences, and Accounting support to high school students
- Delivered structured lessons and academic guidance to Grades 10–12 learners

Mathematics Tutor

Rocklands High School

In Person
Apr 2024 - Oct 2024

- Tutored Mathematics to classes of 30–40 Grade 8, 9, and 11 students
- Helped learners improve conceptual understanding and academic performance

Orientation Leader

University of Cape Town

In Person
Apr 2024 - Oct 2024

- Supported first-year students during university orientation through mentoring, campus tours, and academic guidance