

Ebenezer Kwesi Akyen Graham

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EDUCATION

Institution Name: Glasgow Caledonian University, Mauritius Campus.

Degree: BSc (Hons) Computing (January 2016 - January 2020).

Relevant Courses: Data Structure and Algorithm, Object-Oriented Analysis and Design, Web Platform Development, Big Data, Programming (Java, C), Systems Programming, Introduction to Networking, Security Landscape.

WORK EXPERIENCE

Mauritius Commercial Bank Ltd, Intern

Mauritius (October 2018 - January 2019)

- Led an agile team to develop a cloud-native application to replace a deteriorating business process management system which supported over 50 critical processes. We focused on designing all layers to implement efficient algorithms with particular attention to runtime complexity and custom data structures.
- Saved the bank approximately \$1 million meant to procure a new BPM software by creating an in-house system with an open source workflow tool as well as programming all 3 tiers of that system and keeping the team relatively small.
- Developed an MVP of the aforementioned project within 3 months against strict deadlines by setting up Continuous Integration and Deployment pipelines while upskilling 2 team members to use Git, Angular and the Spring framework.

The Apache Software Foundation, GSoC Intern

Mauritius (April 2018 - August 2018)

- Led the design and development of the first [microservice](#) in the Apache Fineract CN framework (previously Mifos I/O) using Spring, REST and Angular.
- Wrote unit and integration tests using JUnit as well as documenting the microservice, emphatically, wrote test driven documentation for its REST APIs.
- Integrated the notification microservice into the framework to enable developers to add SMS and email functionalities in their loan management applications.

Cim Finance, Intern

Mauritius (September 2017 - December 2017)

- Conducted 3 software quality control tests and deployment simulations for an international project, and prepared a total of 5 user and administrator documentation which contributed to a 100% success rate of the project.
- Expanded the office network by setting up 25 computers and VoIP phones to enable the employees to meet deadlines during the 3-months peak period.
- Optimized 3 critical software by refactoring the source code to implement autonomous and efficient algorithms which doubled the system's reliability.

Ostec, Information Technology Intern

Ghana (September 2016 - December 2016)

- Spearheaded a [website](#) refactoring project by developing all prototypes for the developers and liaising with the executive management to manage the project.
- Reformed customer management by designing a spreadsheet to manage over 200 customer records for the business department and a subsidiary.

SKILLS

General

C,
Java,
Python,
JavaScript,
OpenShift,
Linux (Bash),
HTML/SCSS,
BPMN 2.0,
Git.

Full-stack Development

Angular,
RESTful API,
Spring,
MySQL.

Mobile Development

Flutter,
Dart.

INTEREST

Software
Development,
Cloud
Computing,
Open-source
Software.

LANGUAGES

English,
Fante.

HOBBIES

Chess,
Pianoing,
Swimming,
Cooking.

EXTRACURRICULAR ACTIVITIES AND VOLUNTARY PROJECTS

Developer Student Club (Google Developers) - Club Lead

African Leadership Campus (May 2018 - present)

- Established the club at the ALC campus and currently organise student-led workshops to teach web and mobile app technologies to 40+ students.
- Lead the club to develop a mobile application for a Food and Agriculture Research and Extension Institute.

The Apache Software Foundation - Fineract CN Contributor

Mauritius (November 2017 - present)

- Contributor to the development and maintenance of the [Apache Fineract CN Framework](#), [Fineract CN Documentation](#) and [Notification Documentation](#).
- Advocating for software developers to contribute to open source especially Apache Fineract and Mifos by speaking about them at technical workshops.

Coding Dojo - Facilitator and Challenge Curator

Mauritius (May 2017 - July 2017 and February 2019 - present)

- Curated Java, Javascript, bash and C labs and possible interview challenges for 40+ students to enable them to learn the languages and gain general interview skills.
- Assisted in organising and facilitating the weekly coding sessions.

AWARDS & ACHIEVEMENTS

- **MCB InovApp Challenge (2018):** Won 3rd place in a hackathon to design next-gen solutions for the Mauritian banking sector amidst 14 non-student teams.
- **Academic Distinction (2017 and 2018):** Awarded SHE academic distinction for the year 2017 and 2018.
- **ALC Scholar (2016):** One of the 180 scholars who got a \$10,000 full scholarship out of 6000+ applicants based on academic merit and leadership skills.