

PATRICK ONYEBUCHI OFILI

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EDUCATION

University of Lagos

EXPECTED JUN. 2021

B.Sc. Chemical Engineering [2nd. Class Upper]

Relevant Coursework: Technical Communications, Engineering Math, Statistics, and Computer Systems.

TECHNICAL SKILLS

- Programming Languages: Proficient in Python, JavaScript; previously used Java and SQL.
- Web Technologies: HTML/CSS, React, Redux, Express, Node.js, Flask, REST API, MongoDB, Jest, Git.
- Knowledge Areas: Full Stack Web Development, Agile Methodologies, Unit Testing, Data Structures & Algorithms ([Hackerrank Profile](#)).

EXPERIENCE

Software Engineering Mentee – FACEBOOK

MAY 2020 – OCT. 2020

- Interacted with 4 Facebook engineers to engage in one on one sessions aimed at developing interpersonal and problem-solving skills.
- Leveraged data structures and algorithm techniques to solve problems and tasks assigned weekly to me.

Microsoft Learn Student Ambassador – MICROSOFT

JAN. 2020 – PRESENT

- Drove the usage of Microsoft technologies as an on-campus ambassador to help 300+ students develop technical and career skills.
- Partnered with teammates to organize events one of which I demoed and anchored a session on “Integrating Git in Visual Studio Code”.

Corporate Production Intern – SEPLAT

SEPT. 2019 – DEC. 2019

- Researched wireless sensor networks to slash pipeline vandalism rates thereby contributing to a 70% boost in production.
- Collaborated with a team of engineers to amplify communication in 2 remote areas of operation through Huawei’s ELTE platform.
- Participated in a 3-week field training at various production facilities to engage in data collection and maintenance.

SOFTWARE PROJECTS

URL-Sentry

MAY 2020 – JUL. 2020

- Engineered an Express middleware to send email alerts to a user when a restricted website is being accessed on the user’s computer.
- Published the project as an un-scoped public package on NPM and incurred a maximum of 60+ weekly downloads.

Pipe Sizing Software

FEB. 2020 – APR. 2020

- Built a web application with React and a Flask API I developed to optimally deduce pipe sizes via input data from the client.
- Leveraged knowledge in Redux state management, API consumption, and Unit Testing.

Face Detection App

MAR. 2019 – MAY. 2019

- Developed a Node.js application to detect all the facial parameters of an image with an accuracy of 90%.
- Implemented with React, Node.js, and a machine learning API.

EXTRACURRICULARS & LEADERSHIP

Software Engineering Virtual Intern – JPMORGAN CHASE & CO.

JUL. 2020

- Processed and interfaced with stock price data feeds to enable accurate data streaming of financial data using Python scripts.
- Refined Perspective’s open-source code written in React to enable traders to monitor the performance of 2 stocks on a web interface.

Team Lead – DEVELOPERS 108

JAN. 2019 – PRESENT

- Co-founded and managed an 8-man team of software developers in a bid to ensure group learning amongst members.

ACHIEVEMENTS

Beta Milestone

JUN. 2020

- Promoted to the 2nd highest ranking in the Microsoft Learn Student Ambassadors program and earned a certificate of recognition.

Coding Explorer Award

JUL. 2019

- Received a badge from IBM as a result of scoring above 80% in a coding quiz involving the Blockly visual programming tool.

2nd Place, Goldman Sachs ARI Hackathon

JAN. 2019

- Placed 2nd out of 16 teams by designing a peer to peer lending network in a team of 6 during a code sprint that lasted for 5 hours.