

PATRICK ONYEBUCHI OFILI

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Programming Languages:

- Python
- JavaScript

EDUCATION

University of Lagos

Expected Jun. 2021

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

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

EXPERIENCE

Seplat Petroleum, NIGERIA – Corporate Production Intern

Sept. 2019 – Dec. 2019

- Boosted production output by 81% via wireless sensor networks researched and deployed to slash pipeline vandalism rates.
- 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 where I engaged in data collection and maintenance.

PERSONAL PROJECTS

URL-Sentry

May 2020 – Jun. 2020

- Engineered a [middleware](#) that serves as a background URL Monitoring Tool on an express server.
- Sends email notifications to a user when a restricted website is being accessed on the user's local machine.
- Implemented with **Express**, Node.js, Twilio SendGrid API, and Node Mailer.

Pied-Piper

Mar. 2019 – Present

- Built a pipe sizing [software](#) with **React** and a **Flask** API I developed to optimally deduce pipe sizes using input data from the client.
- Implemented with React, Redux, and Flask. [Demo](#)

Face-Box

Jul. 2018 – Aug. 2018

- Developed a face detection web application with the ability to detect facial parameters of an image with an accuracy of 90%.
- Implemented with React, **Node.js**, and a machine learning API. [Demo](#)

EXTRACURRICULARS & LEADERSHIP

JPMorgan Chase & Co. – Software Engineering Intern (Virtual Program)

Jul. 2020

- Processed and interfaced with stock price data feeds whilst performing robust unit tests by modifying Python scripts in a REPL environment.
- Refined Perspective's open-source code written in React to enable traders to monitor the performance of 2 stocks through a graph component.

Facebook – Software Engineering Mentee

May. 2020 - Present

- Interacted with a group of software engineers and engaged 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

Jan. 2020 – Present

- Drove the usage of Microsoft technologies as an on-campus ambassador to help fellow students develop technical and career skills.
- Partnered with teammates to organize virtual [events](#) one of which I demoed and anchored a session on "Integrating Git in Visual Studio Code".

Developers 108 – Team Lead

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

- Earned a [certificate](#) of recognition after being promoted to the 2nd highest ranking in the Microsoft Learn Student Ambassadors program.

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 ARIE Hackathon

Jan. 2019

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

SKILLS & INTERESTS

- **Technical Skills:** Full Stack Web Development, Software Engineering, Data Structures & Algorithms ([Hackerrank Profile](#)).
- **Languages/Technologies:** HTML5, CSS/SCSS, JavaScript, React, Redux, Express, Node.js, Python, Flask, REST API, MongoDB, Git, Java (Prior Knowledge).
- **Interests:** Technology, E-Sports, Finance, Travelling, and Fitness.