

Emmanuel Oppong

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EDUCATION

New York University Abu Dhabi

Bachelor of Science in Mathematics, Minor in Computer Science

Saadiyat Island, UAE

Expected May 2025

Relevant coursework:

Intro to Computer Science in Python, Data Structures and Algorithms in C++

EXPERIENCE

ALX Africa Software Engineering Bootcamp

November 2022 – Present

Student intern

Online

- Mastered C, Git, Bash, Python, and MySQL with a specialization in front-end web development using React.
- Collaborated with team members to complete AirBnB and Uber Clone projects among many others.
- Developed full-stack web applications that used either PHP and MySQL or Nodejs, Expressjs and MongoDB for the backend as part of in-training projects

Bismuth Media Advertising

June 2022 - September 2022

Assistant Digital Marketing Specialist

Accra, Ghana

- Developed and executed digital marketing content strategies. Increased organic site traffic by 80%

Information Technology Support Specialist

March 2020 - August 2020

Young Achievers' Foundation

Kumasi, Ghana

- Communicated with managers to set up campus computers
- Assessed and troubleshooted computer problems brought by students, faculty and staff
- Maintained upkeep of computers, classroom equipment, and 50 printers across campus

PROJECTS

Tetris Game | *Python, Processing 3.5.4, Git*

[Github](#)

- Built a simple tetris game that uses simple rectangular tetriminos
- Incorporated random color selection upon generation of each new block

AirBnB Clone | *JSON, Python3, Python Unittest Model*

[Github](#)

- Utilized Object-oriented Programming in Python3 to build a working AirBnB website clone

Responsive Admin Dashboard | *Javascript, HTML, CSS, Chartjs*

[Website](#)

- Implemented a fully responsive admin dashboard for large screens, tablets, phones in html css and javascript.

Gitlytics | *Python, Flask, React, MySQL, Docker*

- Developed a full-stack web application using with Flask serving a REST API with React as the frontend
- Implemented GitHub OAuth to get data from user's repositories
- Visualized GitHub data to show collaboration
- Used Celery and Redis for asynchronous tasks

Word Ladder Game | *Stacks, Queues, and file streams*

- Built a word link game using C++
- Used Lexicon ADT, files and streams, and other libraries to link a chain of words one letter at a time to a given word

FormulaX | *Processing 3.5.4*

- Built a racing car game using Python3.
- Incorporated game player interactivity using Processing 3.5.4 libraries and functions

TECHNICAL SKILLS

Languages: Python, C/C++, SQL, JavaScript, HTML/CSS, SCSS/SASS, Php

Frameworks: React, Node.js, Expressjs, MongoDB, Bootstrap, Laravel, FastAPI

Developer Tools: Git, VS Code, Visual Studio, PyCharm, Vim, Neovim

Libraries: Pandas, NumPy, Matplotlib