

ANDOCH BONIN

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Education

Academic City University College

Bachelor of Science in Computer Science — First Class

Sep. 2019 – May 2023

Accra, Ghana

The Roman Ridge School

A Levels & IGCSE

Sep. 2015 – June 2019

Accra, Ghana

Skills and Technical Tools

- | | | | |
|-------------------|--------------|-----------|--------------|
| • Data Structures | • Java | • React | • PostgreSQL |
| • Algorithms | • Python | • Angular | • NodeJS |
| • C++ | • Typescript | • Git | • OpenCV |

Experience

Turntabl

June 2022 – August 2022

Software Engineer Intern

Accra, Ghana

- Supported in building a project management web application to place engineers on projects according to multiple criteria.
- Responsible for software maintenance, conducting stress tests, identifying and fixing weak points in the application.
- Built a web page to dynamically keep track of various statistics across the company.

Trescomas Software

August 2021 – September 2021

Software Engineer Intern

Accra, Ghana

- Programmed and maintained embedded code in support of an IoT device (AT commands, C code to read from load sensors).
- Supported team to perform threat modelling of the backing cloud system.
- Learnt to report system design findings to team members and project stakeholders.

Trescomas Software

July 2020 – September 2020

Software Engineer Intern

Accra, Ghana

- Learnt and applied concepts from the SDLC (Git Source Control, CI/CD).
- Explored system architecture creation procedures.
- Contributed C code to company algorithms library.

Projects

News Map | *Sentiment Analysis, Typescript, NextJS, React, Node, Google Cloud Platform, PostgreSQL*

May 2023

- Website to allow users to view real time news articles and tweets from a country by clicking a country on the map.
- Employed sentiment analysis on the news to create a color coded world map based on positivity/negativity of news.
- Used Google Cloud Platform to manage APIs, and monitor application to maximize performance, and minimize costs.

Eye Strain Detector | *Python, OpenCV, PyQt*

August 2021

- Windows desktop application to alert users of eye strain when using the computer screen.
- Incorporated OpenCV and dlib to detect eye points to be used in calculation and strain detection.
- Updated alerts from in-app alerts to desktop notifications, allowing the app to be used in the background.

Stocks Bot | *Javascript, Node, Puppeteer, Discord*

December 2020

- Discord bot to allow server members to trade on a simulation of the stock market.
- Programmed commands to view current NASDAQ stock prices, buy and sell stocks, and see stock price history.
- Created a leaderboard to make trading more competitive, thereby increasing bot usage.

Achievements / Extracurricular

Competitive Programming

November 2020 – Present

- Ranked in the top 5% out of 250,000+ users on Codewars.
- Achieved 1st place in Ghana in multiple rounds of Google Kickstart and top 15% Globally.

Programming Club

January 2021 – May 2022

Vice-President

Academic City University

- Taught club members Object Oriented Programming in Python.
- Introduced competitive programming system that helped club members significantly improve programming skills.