

# Chukwuemeka E Mordi

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## EDUCATION

### University of Washington - Seattle

*Bachelor of Science - Electrical and Computer Engineering*

Seattle, WA

Jun 2022 – May 2024

### Green River College

*Associate of Science - Computer Engineering*

Auburn, WA

Sep 2020 – Jun 2022

## EXPERIENCE

### Amazon

*Incoming Software Engineer Intern*

Seattle, WA

- Team TBD

### University of Washington, Electrical and Computer Engineering

Jan 2023 – Present

*Undergraduate Research Assistant*

Seattle, WA

- Led development of software to enable hyperspectral imaging on a quantum light microscope in QT3 lab.
- Collaborated with members of the Diamond Quantum Control Testbed team, which enables advancements in quantum noise spectroscopy, to prep their system for instructional use.
- Advised by Kai-Mei Fu and Max Parsons.

### Expeditors

Jul 2022 – Sep 2022

*Data Analyst Intern*

Seattle, WA

- Developed scripts and queries for data sets used to analyze ocean shipment times (**Python**, **SQL**).
- Performed data extraction from various databases using python drivers; transformed data using **pandas**; loaded data into **PostgreSql** database.
- Improved software integrity with data cleaning and validation of existing data sets to promote robust data management platform, resulting in data analysis and entry improvement by **12%**.

### Google

Aug 2018 – Sep 2018

*Product Management Intern*

Johannesburg, South Africa

- Achieved management recognition by designing and implementing projects aimed at retaining advertising clients.
- Produced high-quality documents, spreadsheets and presentations for internal and customer-facing needs.
- Collaborated with mentor and other high school interns to review best practices in software architecture.

## PROJECTS

### Caesar Cipher | *Python, Git*

Dec 2022 – Present

- A python script to brute force Caesar Ciphers. Used as a tool in Capture The Flag competitions.

### Monkeypox Predictive Analysis | *Python, pandas, Matplotlib, NumPy, Git*

Aug 2022 – Present

- Conducted Exploratory Data Analysis of the Monkeypox outbreak.
- Developed engineering features such as heat maps, outlier detection and distribution curves.

### Redfin End to End Pipeline | *Python, PostgreSQL, AWS, SQL, Spark, Git*

Jul 2022 – Present

- Scraped all housing data on the market in addition to recently sold homes.
- Generated a Postgres DB to store both parsed and historical data.

## NOTABLE ACHIEVEMENTS

**South African Mathematics Olympiad** | *Top 100 out of 86000+ (Final Round)*

Jul 2019

**South African Mathematics Olympiad** | *Top 15% (Second Round)*

Apr 2018

## ADDITIONAL

**Relevant Coursework:** Data Structures and Algorithms, Linear Algebra, Discrete Math, Differential Equations, Database Systems, (Calculus I, II, III, IV), Signal Processing

**Programming Languages:** Python, Java, C, SQL, System Verilog, Bash, HTML

**Other:** Git, AWS, Powershell, MacOS, Linux, MySQL, PostgreSQL, pandas, NumPy, Google Cloud Platform, Azure