

# Chukwuemeka E Mordi

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## EDUCATION

<b>University of Washington - Seattle</b> <i>Bachelor of Science - Electrical and Computer Engineering</i>	Seattle, WA Jun 2022 – May 2024
<b>Green River College</b> <i>Associate of Science - Computer Engineering</i>	Auburn, WA Sep 2020 – Jun 2022

## EXPERIENCE

<b>Amazon</b> <i>Incoming Software Engineer Intern</i> <ul style="list-style-type: none"><li>Team TBD</li></ul>	Jun 2023 – Sep 2023 Seattle, WA
<b>University of Washington, Electrical and Computer Engineering</b> <i>Undergraduate Research Assistant</i> <ul style="list-style-type: none"><li>Developing software to enable hyperspectral imaging on a quantum light microscope.</li><li>Advised by Kai-Mei Fu and Max Parsons.</li></ul>	Jan 2023 – Present Seattle, WA
<b>Expeditors</b> <i>Data Analyst Intern</i> <ul style="list-style-type: none"><li>Developed scripts and queries for data sets used to analyze ocean shipment times (<b>Python, SQL</b>).</li><li>Performed data extraction from various databases using python drivers; transformed data using <b>pandas</b>; loaded data into <b>PostgreSql</b> database.</li><li>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 <b>12%</b>.</li></ul>	Jul 2022 – Sep 2022 Seattle, WA
<b>Google</b> <i>Product Management Intern</i> <ul style="list-style-type: none"><li>Achieved management recognition by designing and implementing projects aimed at retaining advertising clients.</li><li>Produced high-quality documents, spreadsheets and presentations for internal and customer-facing needs.</li><li>Collaborated with mentor and other high school interns to review best practices in software architecture.</li></ul>	Aug 2018 – Sep 2018 Johannesburg, South Africa

## PROJECTS

<b>Caesar Cipher</b>   <i>Python, Git</i> <ul style="list-style-type: none"><li>A python script to brute force Caesar Ciphers. Used as a tool in Capture The Flag competitions.</li></ul>	Dec 2022 – Present
<b>Monkeypox Predictive Analysis</b>   <i>Python, pandas, Matplotlib, NumPy, Git</i> <ul style="list-style-type: none"><li>Conducted Exploratory Data Analysis of the Monkeypox outbreak.</li><li>Developed engineering features such as heat maps, outlier detection and distribution curves.</li></ul>	Aug 2022 – Present
<b>Redfin End to End Pipeline</b>   <i>Python, PostgreSQL, AWS, SQL, Spark, Git</i> <ul style="list-style-type: none"><li>Scraped all housing data on the market in addition to recently sold homes.</li><li>Generated a Postgres DB to store both parsed and historical data.</li></ul>	Jul 2022 – Present

## NOTABLE ACHIEVEMENTS

<b>South African Mathematics Olympiad</b>   <i>Top 100 out of 86000+ (Final Round)</i>	Jul 2019
<b>South African Mathematics Olympiad</b>   <i>Top 15% (Second Round)</i>	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