

# Christopher-Neil Mendoza

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## EXPERIENCE

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### Software Development Engineer

Amazon Web Services

New York, NY

March 2023 - Present

- Designed a multi-tenant, highly scalable architecture for an event-driven data pipeline that serves an entire organization
- Assembled data pipeline using AWS components, writing Infrastructure-as-Code (IaC) with AWS CDK, and logic in Python
- Implemented feature requests, redesigns, and bug fixes for a Java-based REST API that serves thousands of requests daily

### Software Development Engineer Intern

Amazon Web Services

Arlington, VA

June 2022 - August 2022

- Revamped an internal-facing REST API to promote scalability and compatibility with future cross-team projects
- Consulted with API customers and stakeholders to establish project scope, formalizing all plans through documentation
- Demonstrated the upgrades to over 35 project managers and engineers to obtain feedback and develop future project plans

### Software Developer Intern

Berkley Technology Services

Wilmington, DE

January 2022 - February 2022

- Leveraged automated UI testing services for company web applications, speeding up development time and productivity
- Developed Groovy scripts for over 20 top-level actions that a customer would complete within the web application's UI
- Maintained the health of daily end-to-end UI tests and smoke tests, reaching out to stakeholders to fix any issues that arose

### Technology Intern

M&T Bank Corporation

Wilmington, DE

June 2021 - August 2021

- Developed a C# application to migrate over 60 company databases to the cloud on Microsoft Azure SQL Database
- Utilized SQL queries and Microsoft Data Migration Assistant to document migration blockers in JSON format
- Won first place in intern-wide App Development Contest to create a blockchain-driven COVID-19 vaccine record tracker

## PROJECT WORK

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### Malware Analysis Tool (M.A.T.)

University of Delaware Capstone Design Program

Newark, DE

September 2022 - May 2022

- Designed a cross-platform ML-driven application that analyzes executable files and determines if they are malicious
- Created the application's machine learning model with scikit-learn and WEKA to classify malware with a 97% success rate

## TECHNICAL SKILLS

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- **Programming Languages:** Java, Python, C#, C, CSS, C++, HTML, JavaScript, MATLAB, SQL, Solidity, TypeScript, Bash Scripting
- **Skillsets and Technologies:** AWS: [Lambda, EC2, VPC, SageMaker, ECS with Fargate, Kinesis Data Streams], GCP, MERN Stack (MongoDB, Express, React, Node), Angular, .NET, Microsoft SQL Server, WEKA, Truffle Suite, Agile Methodology, Firebase,

## EDUCATION

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### University of Delaware College of Engineering

Master of Science: Cybersecurity with concentration in Security Analytics

Newark, DE

February 2021 - December 2022

GPA: 3.9

Relevant Coursework: Secure Software Design, Data Search and Data Mining, Cloud Computing, Artificial Intelligence

### University of Delaware Honors College of Engineering

Bachelor of Science: Computer Engineering; Minors: Cybersecurity, Computer Science

Newark, DE

August 2018 - June 2022

GPA: 3.9 graduating cum laude

Relevant Coursework: Data Structures, Operating Systems, Web Applications Security, Computer Networks