

# Christopher-Neil Mendoza

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## EXPERIENCE

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### 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
- Practiced Agile sprints to develop and fulfill application requirements while maintaining clean and maintainable code

### Teaching Assistant

University of Delaware

Newark, DE

February 2021 - May 2021

- Facilitated weekly lab sessions for 20-student group to review Object-Oriented Programming class material
- Engaged with students during office hours to improve their Java proficiency, answering any questions they may have
- Graded assignments, providing constructive criticism to help students learn from their mistakes

### Process Safety Intern

National Grid plc

Melville, NY

July 2020 – August 2020

- Established data requirements for custom SQL queries to improve company's performance analysis capabilities
- Worked with the Pipeline Safety and Compliance team to develop safety protocols and best practices
- Researched and presented a case study on renewable energy to provide recommendations for clean energy initiatives

## ACTIVITIES/PROJECTS

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### Decentralized Vaccine Record Tracker

M&T Bank Corporation

Wilmington, DE

June 2021 – August 2021

- Collaborated with 3-person team in an App Development Contest to create a COVID-19 Vaccine Record tracker using blockchain technology, won first place in internship program
- Utilized the Truffle Suite framework to develop the web app, writing code in HTML, CSS, JavaScript, and Solidity

### Undergraduate Researcher

Vertically Integrated Projects at UD: Internet of Threats

Newark, DE

September 2019 – May 2020

- Constructed a covert communications channel through a Bluetooth light bulb and an I2C sensor
- Designed a C program for transferring data through light bulb blinking patterns using Manchester Encoding

## TECHNICAL SKILLS

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- **Programming Languages:** C#, Java, Python, JavaScript, .NET Framework, HTML, CSS, Angular Framework, SQL, C, C++, MATLAB, Solidity, Truffle Suite Framework, Bash Scripting, PowerShell Scripting, VHDL, TypeScript, MIPS Assembly
- **Skillsets and Technology:** Agile Methodology, Firebase, GCP, GitLab CI/CD, Unit Testing, Node.js, Microsoft SQL Server

## 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: 4.0 for all classes that apply towards master's degree

Relevant Course Work: Data Mining, Cloud Computing

### 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 making Dean's List every semester attended

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