

# Joshua U. Cancio

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## Education

**George Mason University** | Bachelor of Science, Applied Computer Science | Aug 2023 - Jun 2027

**Honors:** Dean's List (Fall 2023)

**Related Coursework:** Intro to Computer Programming (taught in Python), Object-Oriented Programming (OOP taught in Java), Essentials of Computer Science, Discrete Mathematics, Calculus

## Technical Skills & Certifications

**Programming & Web:** Java, Python, C#, SQL, HTML/CSS, JavaScript, TypeScript, Bash

**Frameworks/Database:** Node.js, Next.js, REST API, ASP.NET Core, React, Bootstrap, SQL Server, Spring Boot, Flask

**Certifications:** OSHA 10-Hour General Industry (Issued Jun 2023) and CompTia A+ (Issued May 2023)

**Developer Tools:** Git, VS Code, Jupyter, Power Apps, Power Automate, Power BI, SharePoint, Microsoft Azure, Vercel, Cloudflare, Unity, Figma

## Experience

**Fairfax County DIT Intern, Fairfax, VA** | [Fairfax County Government](#) | Jun 2023 - Aug 2023

- Operated under different methodologies such as **waterfall**, **agile**, and **scrum** to help myself adapt to the project's requirements and constraints, effectively collaborate and communicate, and manage work effectively within fixed timeframes.
- Developed understanding with DevOps practices and **continuous integration/continuous deployment** (CI/CD).
- Leveraged with Power Apps, Power Automate, Power BI, and SharePoint to create an **automation app** for the Department of Tax Administration to simplify their print process by improving accessibility and appearance on how documents are processed
- Configured a **Transport Form** for easily logging the process of **development**, **testing**, and **production** using Visual Studio, Microsoft Azure, SQL database, and ASP.NET Core framework to create a user-friendly web form that made creating and managing transport migration requests efficient for the DevOps team.
- Improved proficiency in different coding languages such as C# and HTML/CSS to apply to the web application.
- Consulted with the DevOps crew to bring the **Technical Account Manager** (TAM) application to life.
- Implemented a table with different parameters in SQL Server to store data from the web form to the database.
- Used: ASP.NET Core, HTML/CSS, C#, SQL, SQL Server, Power Apps, Power Automate, Power BI, SharePoint

**AI-assist Code Generation User Study Participant** | [George Mason NLP](#) | December 2023 - December 2023

- Proactively engaged in a user study for a cutting-edge machine learning and AI application focused on solving coding problems in SQL and Python, similar to ChatGPT.
- Contributed valuable insights and feedback to refine the application's functionality and user experience.
- Influenced constructive feedback on the application's strengths, weaknesses, and potential improvements.
- Played a key role in optimizing the application's problem-solving capabilities through active participation and collaboration.

**Woodson Computer Science Club Officer** | [Woodson High School](#) | October 2022 - June 2023

- Organized and conducted Python code demonstration sessions in Python.
- Designed and delivered engaging presentations and workshops, effectively explaining programming concepts.
- Collaborated with club members to identify their learning needs and tailor code demonstrations accordingly, resulting in improved comprehension and participation.

## Projects

**Friends of ADCY5** | [Hackathon Project](#) | Harvard University | March 2024 - March 2024

- Constructed a social network graph using Neo4j to illustrate relationships such as geographical prevalence when it comes to diagnosis.
- Utilized Online Mendelian Inheritance in Man (OMIM) database API to parse JSON to convert it into a CSV file to create datasets for Neo4j.
- Received 2nd Place prize of \$500 out of 30+ projects at the Rare Disease Hackathon offered by Harvard Biotechnology Club.
- Used: Git, Python, React, OMIM API, Selenium, JavaScript

**Graph Guesser** | [Hackathon Project](#) | George Mason University | February 2024 - February 2024

- Created a drawing application to create a graph to compare a dataset from a trained model to receive the equation type.
- Utilized PyQt5 library to allow drawing capabilities and HTML/CSS as well as Node.js to implement a web page for the application.
- Orchestrated the backend using python for API calling to have the user inputs go through the model and return an output.
- Used: Git, Python, HTML/CSS, PyQt5, Clarifai API, Node.js, JavaScript

**Full-Stack Web Scraper Web App** | [Hackathon Project](#) | George Mason University | October 2023 - October 2023

- Developed a Full-Stack Web Scraper Application where our frontend used React, backend used Java, and spring boot for our REST API.
- Provided users to easily search through categories of games based on genres, ratings, and more.
- Led and created a team of 4: organized meetings, delegated tasks, assisted teammates debug, etc.
- Used: Git, React, Java, Spring Boot, Bootstrap, REST API

**Billion Oyster Data Visualization** | [Summer Enrichment Project](#) | Pace University's STEM Institute | July 2022 - July 2022

- Presented a data organization and visualization representation of the data collected to the public using Python to develop data models and support the Billion Oyster Project (BOP).
- Demonstrated a commitment to environmental preservation and community engagement by applying different structural data elements.
- Acquired practical knowledge of data science and its real-world applications in addressing environmental issues.
- Used: Python, Google Collaborate, G-Suite, pandas, NumPy, SciPy, Pandas, Matplotlib