

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

Frameworks/Database: REST API, ASP.NET Core, React, Bootstrap, SQL Server, Spring Boot

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

Other Tools: Git, Github, Jupyter Notebooks, Power Apps, Power Automate, Power Bi, SharePoint, Microsoft Azure, Cloudflare

Experience

Fairfax County DIT (Paid) Intern, Fairfax, VA | [Fairfax County Government](https://www.fairfaxcounty.gov) | 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, 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#, HTML, and 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](https://www.georgemason.edu) | 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.
- Leveraged 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](https://www.woodsonhighschool.org) | 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

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. Utilized GitHub for version control by creating branches, pushing and pulling code, and reviewing commits.
- 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, GitHub, React, Java, Spring Boot, Bootstrap, REST API

Billion Oyster Data Visualization | Summer Enrichment Project | Pace University's STEM Institute | Summer 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.
- 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

AI Powered Water Filter | Summer Enrichment Project | Marymount University | July 2021 - August 2021

- Engaged in an intensive summer program focused on artificial intelligence and cybersecurity.
- Explored topics including Data and Statistics for AI, Programming Techniques with Python, Machine Learning, and NLP
- Completed a final project that required synthesizing information from the camp to develop an AI-related product pitch.
- Used: Python, G Suite, Jupyter Notebooks