Arterio Rodrigues

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EDUCATION

Hunter College MA in Computer Science	Expected April 2026
Hunter College BA in Computer Science, Minor Math	January 2019 – June 2023
AWS Developer Associate Certificate	June 2024 – June 2027
NYC Job CEO Council Software Engineer Virtual Experience Program Certificate	August 2023
Dean's List	September 2019 – September 2022

WORK EXPERIENCE

Hunter College, Career Center *IT Specialist* — April 2022 – Present
- Designed and executed a Python program that drastically reduced data integration time of 5000 CSV entries from 2 weeks to 1 day, and pioneered an efficient file and folder sorting system driven by approved file types.
- Created a full-stack web scraper using HTML/CSS/javascript and node.js to find broken links on the company's website. Scanned ~3000 links to find 54 broken, improving site reliability by 0.68% and saving weeks to 1 day of work.
- Created a range of Power BI dashboards to help visualize complex Excel data sets, bringing about trend identification and process improvement for stakeholders. Used Dax functions to provide insights and enable 20% better performance.

Hunter College, *Artificial Intelligence & Computer Vision Research Assistant* — August 2023 – April 2024
- Collaborated with the professor to develop algorithms and conduct data analysis using C++, leveraging artificial intelligence techniques to optimize problem-solving and decision-making processes.
- Diagnosed and troubleshot hardware and software issues maintaining high system performance and ensuring data security and compliance, Installed and configured IT systems and software, optimizing lab workflow.

Hunter College, *Computer Science Teaching Assistant* — September 2019 – September 2023
- Assist over 600 undergraduate students by leading lab sessions, creating assignments/quizzes, and providing individual guidance in courses covering C++, Python, MIPS, and web development. Built student confidence in technical skills in debugging, coding, and interpersonal skills resulting in stronger team collaboration.
- Effectively spearheaded team to meticulously plan and execute the seamless migration of more than 150 devices to Windows 10. Led comprehensive testing protocols to ensure compatibility and functionality, mitigating potential disruptions to business operations. Achieved zero data loss through rigorous backup procedures and meticulous attention to detail, resulting in a smooth transition that enhanced overall productivity and user satisfaction.

LEADERSHIP EXPERIENCE

Google Software Engineer Program G-SWEP, *Software Engineer Mentee* — September 2023 – June 2024
- Selected as a fellow for the exclusive 10-week Google Software Engineer Program through Project Basta, gaining hands-on engineering experience. Demonstrated technical and communication skills by coding for Google experts.

Hunter College Chess Club, *Vice President* — September 2022 – September 2024
- Recruited over 150 new members through tabling events and social media campaigns, increasing club size by 35%, and organized and led 3 on-campus chess tournaments with 10-20 participants from Hunter and Baruch College.

PROJECTS

Map Generation (C++, Python)
- Designed a program to build a randomized map, increasing knowledge with OOP and optimization of code. Implemented 2 versions, optimized classes and structures resulting in the second being 75 % faster.

Full Stack Broken Links Finder (JavaScript, HTML, CSS) (Frontend / Backend)
- Web app that scraps URLs and checks for broken links, exporting results into a text file (txt). Used HTML, CSS, and JavaScript to build the front end and Node.js, Express for the back end.

Stock Market Prediction (Python, Data Science, Machine Learning)
- Built LSTM model that predicts Stock Price, 99% accurate a day out and 96% accurate 60 days out. Used data manipulation with scalar transformation and compression and NumPy, Pandas, Matplotlib, yFinance, and TensorFlow Python Libraries.

SKILLS

Programming Languages: C++ C Python HTML/CSS/JavaScript Java Swift React x86 MIPS React-Native
Database Management: PostgreSQL MongoDB Express Node.js Firebase
Operation System & Software: Mac OS, Windows 10/11 Linux Power BI Azure AWS Unity Fusion360