Arterio Rodrigues

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EDUCATION

Hunter College *Bachelor of Arts in Computer Science, Minor Math*   January 2019 - May 2023
Certificate NYC Job CEO Council Software Engineer Virtual Experience Program   August 2023

WORK EXPERIENCE

Hunter College Computer Science Department   August 2023 - Present
Artificial Intelligence & Computer Vision Research Assistant
- Collected, preprocessed, and cleaned data for AI and computer vision projects, leading to a 10% reduction in workload.
- Led research discussions, ensured thorough documentation, and executed administrative tasks, contributed to an increase in research efficiency, and enhanced team collaboration.

Hunter College Career Center   April 2022 - Present
IT Specialist, Career Development Services
- Designed and executed a Pythion program, drastically reduced data integration of 5000 CSV entries from 2 weeks to 1 day.
- Pioneered a Python program for efficient file and folder sorting, driven by approved file types.
- Managed website and job/internship database maintenance, and coordinated student events and communications.

Hunter College Computer Science Department   September 2019 - Present
Computer Science Teaching Assistant
- Collaborated with more than 600 undergraduate students, took charge of lab sessions, formulated assignments/quizzes, and offered personalized guidance in courses encompassing C++, Python, MIPS, and web development.
- Enhanced student confidence in technical abilities such as debugging code and fostered interpersonal skills with collaboration.
- Proctored exams, graded assignments, and maintained course material for 12 different LABS, over 12 weeks.

LEADERSHIP EXPERIENCE

Google Software Engineer Program G-SWEP   September 2023 - Present
Software Engineer Mentee
- Selected as a fellow for the exclusive 10-week Google Software Engineer Program through Project Basta, gaining hands-on engineering experience. Demonstrated technical communication by coding for Google Expert.

Hunter College Chess Club   September 2022 - Present
Vice President
- Recruited over 150 new members through tabling events and social media campaigns, increased club size by 35%.
- Organized and led 3 on-campus chess tournaments with 10-20 participants from Hunter and Baruch College.
- Developed club website for centralizing resources, making outreach and communication more efficient. (code)

PROJECTS

Map Generation (C++, Python)
- Designed a program for constructing a randomized map, expanded knowledge in OOP, and optimized code. Implemented two versions, enhancing classes and structures, resulting in the second version being 75% faster.

Full Stack Broken Links Finder (JavaScript, HTML, CSS) (Frontend / Backend)
- Engineered a high-performing web application to automate URL scraping and detect broken links. Saved weeks of work for the Career Center, concurrently improving data accuracy and productivity.

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# C Python HTML/CSS/JavaScript Java Swift React x86 MIPS Angular
Database Management: PostgreSQL MongoDB Express Node.js