Arterio Rodrigues
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EDUCATION

Hunter College

BA in Computer Science, Minor in Math: Major GPA 3.4   *January 2019 - May 2023*

WORK EXPERIENCE

Hunter College Computer Science Department

Artificial Intelligence & Computer Vision Research Assistant   *August 2023 - Present*

- Developed and implemented algorithms using C and artificial intelligence for computer vision.
- Conducted data gathering, preprocessing, and cleaning to support AI and computer vision projects.
- Actively participate in research discussions, maintaining research documentation and supporting administrative tasks.

Hunter College Career Center

IT Specialist   *April 2022 – Present*

- Designed and implemented Python program to integrated CSV data, saving 14 days of work.
- Developed Python program to sort files and folders based on approved file types.
- Maintained the website and job/ internship database, and organized student focused events and communications.

Hunter College Computer Science Department

Computer Science Teaching Assistant – Hunter College   *September 2019 - Present*

- Guided and assisted students through programming labs, assist in creating and teaching lessons in C++, Python, and MIPS. Created and graded homework and quiz problems.
- Mentor students to enhance confidence in public speaking and teamwork.

PROJECTS

Map Generation (C++, Python)

- Developed a randomized map generation using a wave collapse model, implemented with C++ and Python.
- Utilized and built 2d Map of Node classes, Matplotlib, NumPy and Pandas.

Full Stack Broken Links Finder (JavaScript, HTML, CSS) (Frontend / Backend)

- Designed full stack web app, given URL as input, extracts all the links, checks for broken links, and exports list as text file (txt). Used HTML, CSS, JavaScript to build front end and Node.js and express for the back end.

Stock Market Prediction (Python, Data Science, Machine Learning)

- Built model that predicted a stock's price. The model was 99% accurate a day out and 96% accurate 60 days out.
- Used NumPy, Pandas, Matplotlib, YFinance, Scikit-Learn and machine learning with TensorFlow.
- Used an LSTM model to track moving average of historic stock prices ~20 years over 15,000 data entries.

LEADERSHIP OR TECHNICAL EXPERIENCE

Participant, Google Software Engineering Program (G-SWEP) via Project Basta   *October 2023 – Present*

- Selected as one of 80 participants, outperforming 350+ applicants, to participate in 10 weeks of rigorous, technical mentoring sessions with Google SWE attend workshops designed to enhance technical problem-solving and interview skills.

New York Job CEO Council Software Engineer Virtual Experience Program   *August 2023*

- Participated in Software Engineer virtual experience program with Forage.
- Completed modules involving building interfaces and software design using C++ and tools provided.

Hunter Chess Club Vice President   *September 2022 - Present*

- Organize on and off-campus tournaments.
- Recruit and mentor students, work with student government, maintain website. (code, hosted)

SKILLS

C++, C#, C, Python, Java, JavaScript, HTML/CSS, Swift, Node.js, 86ASM, MIPS, React, Express, Next.js, SQL, PostgreSQL, MongoDB, Firebase, Full Stack Development, Deep Learning, Machine Learning/Models, Feature Engineering, Linux, Bash