

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 Career Center

April 2022 – Present

- Designed and implemented Pandas and NumPy program, reducing data integration time for 5,000 CSV entries, from two weeks to one day.
- Designed 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

September 2019 – Present

- Guided and assisted students through programming labs, assisted 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.
- 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 that, given URL as input, extracts all the links on the page, checks for broken links, and exports list as text file (txt). Used HTML, CSS, JavaScript to build front end and back end.

[Stock Market Prediction \(Python, Data Science, Machine Learning\)](#)

- Built model that predicted a given stock's closing price for the next 60 days. The model was 99% accurate a day out and 96% accurate 60 days out.
- Used NumPy, Pandas, Matplotlib, yFinance, and machine learning with TensorFlow.
- Used an LSTM model to track moving average of historic stock prices ~20 years over 15,000 data entries. Used data manipulation with scalar transformation and compression.

EXTRACURRICULAR ACTIVITIES

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](#))

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.

SKILLS

C++ | C# | C | Python | HTML/CSS/JavaScript | React | Swift | Express | NodeJS | SQL | 86ASM | MIPS | Full Stack | Deep Learning | Machine Learning/Models | Feature Engineering | PostgreSQL | Linux Bash | MongoDB | GitHub