

## Arterio Rodrigues

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### EDUCATION

#### Hunter College

*Bachelor of Arts in Computer Science, Minor Math*

January 2019 – May 2023

*Dean's List*

September 2019 – September 2022

*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*

- Assisting professor with algorithm development and data analysis using C++ and artificial intelligence.
- Data gathering, preprocessing and cleaning for AI and computer vision projects.
- Participate in research discussions, maintaining research documentation and supporting administrative task.

#### Hunter College Career Center

April 2022 – Present

*IT Specialist*

- Designed and executed a Python program, drastically reducing data integration time of 5000 CSV entries from 2 week 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, while coordinating student events and communications.

#### Hunter College Computer Science Department

September 2019 – Present

*Computer Science Teaching Assistant*

- 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 like debugging, coding and interpersonal skills with team 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 and communication skills 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, increasing club size by 35%.
- Organized and led 3 on-campus chess tournaments with 10-20 participants from Hunter and Baruch College.
- Developed club website using HTML/CSS/JavaScript for centralizing resources and tournaments. ([code](#), [hosted](#))

### PROJECTS

#### [Map Generation \(C++, Python\)](#)

- Designed 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 URL and checks for broken links, exporting results into text file (txt). Used HTML, CSS, and JavaScript to build 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# C Python HTML/CSS/JavaScript Swift React x86 MIPS

**Database Management:** PostgreSQL MongoDB Express Node.js

**System and Tools:** GitHub Linux Full Stack/Deep Learning Machine Learning