

# Arterio Rodrigues

[rodrigues.arterio@gmail.com](mailto:rodrigues.arterio@gmail.com) | [github.com/ArterioRodrigues](https://github.com/ArterioRodrigues) | 646-626-2211

## EDUCATION

Hunter College

B.S. Computer Science, GPA 3.4 | Minor: Math

New York, NY

February 2018 – May 2023

## EXPERIENCE

Career Development Service

IT Specialist

New York, NY

April 2022 – Present

- Responsible for maintaining/updating the Career Development Services website Career Hunter, the job/internship database including publicity, reporting, data entry and supervision of data entry.
- Develop projects to handle data entry in the Career Development Services website. Designed a python program to handle large Data entries via a CSV and Excel files into the Career Development Services system (5, 000 entries). The program used the python libraries Pandas for data collection and saving and NumPy data creation and editing. Due to this Career Development Services was able to reduce 2 weeks' worth of work down to 1 day.
- Designed python program to sort files and folders. The programs used the built-in python OS library to access computer's shared folder and organize files based on approved file types.

Hunter College Computer Science Department

College Assistant

New York, NY

September 2018 – Present

- Tutor students in C++, Python, and MIPS. Guide students through programming labs. Assist in teaching students various class lessons and support them throughout their study process resulting in a better understanding of material and grades. Mentor students to build confidence in public speaking and teamwork. Grade and create problems for students.

## PROJECTS

[Stock Market Prediction](#)

Spring 2022 Semester

- Python program using TensorFlow, NumPy, Pandas, Matplotlib and yFinance. Used an LSTM model to track moving average of historic stock prices ~20 years over 15, 000 data entries. Model was used to predict the next 60 days for the given stock "closing price". The model was 99% accuracy a day out and 96% 60 days out. This project used machine learning with TensorFlow, data manipulation with scalar transformation and compression, with Matplotlib and NumPy and data gathering via API with yFinance.

[Pong ASM](#)

Fall 2022 Semester

- Pong build with x86 assembly language in the boot sector. Improved my assembly knowledge and gained a better understanding of intel CPU operations. This project improved my code visualization, understanding of stack and heap and 16 bits memory architecture.

[Map Generation \(Wave Collapse\)](#)

Fall 2022 Semester

- Randomized map generation using a wave collapse model using. Used 2d Map of Node classes to build random map. This project used object orientation programming(OOPS) standards with getters, setters, destroyer and constructors. Improved my understand of object orientation programing, Pointers and C++. Python was used for data visualization and creations of randoms maps using Matplotlib, NumPy and Pandas.

## LEADERSHIP EXPERIENCE

Hunter Chess Club

Vice President

New York, NY

September 2022 – Present

- Responsible for organizing on and off-campus tournaments such as Amateurs East and Hunter Rapid Tournament 1, 2 and 3. Mentor, meet and recruit students into Hunter Chess Club. Handled Communications between club and College Government. Built and hosted the website using Html, CSS and JavaScript ([code](#), [website](#))

## SKILLS

C++ | C# | Python | HTML/CSS/JavaScript | React | Swift | Express | NodeJs | x86ASM MIPS | PostgreSQL | Linux Bash | MongoDB | GitHub | VS code |