

# Clarissa McCarthy

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## Education

University of Massachusetts Boston – Boston, MA 2022 – 2024  
Bachelor of Science: Computer Science  
GPA: 3.97  
Dean's List 2022

Worcester Polytechnic Institute – Worcester, MA 2019 – 2021  
Bachelor of Science: Computer Science  
Bachelor of Science: Interactive Media & Game Development  
Dean's List 2020, 2021

## Relevant Coursework

Calculus, Linear Algebra, Statistics & Probability, Object-Oriented Design Concepts, Programming in C, Computer Networks, Computer Ethics, Computer Architecture, Data Structures and Algorithms, Theory of Computation, Cloud Computing, Graphics, Data Science, Operating Systems

## Technical Skills

- **Languages:** Python, Java, C, HTML, CSS, Javascript, R
- **Skills:** Object-Oriented Programming, Algorithms, Cloud Computing
- **Web Technologies:** Git/GitHub, LaTeX, Trello, Heroku
- **Development Tools:** Sublime, IntelliJ, Pycharm, VSCode, Linux, VMware, VirtualBox

## Projects

**Alpaca Crossing-Averages Trading Algorithm** 05/2023 – 07/2023

- Programmed an algorithm in Python to trade stocks when stock price averages met certain conditions.
- Used the Alpaca Trading API to get stock data and graphed stock prices and buy/sell signals using Matplotlib.

**Learning Log Website** 06/2023

- Created a website in Python and HTML that allows users to track their knowledge on self-defined topics.
- Styled pages using Bootstrap and deployed website on Heroku.
- Created a virtual environment for testing.

**Alien Invasion Game** 05/2023

- Programmed a 2D Space-Invaders-like game in Python using Pygame.
- Used GitHub for version control.

## Work Experience

*BJ's Wholesale Club – Weymouth, MA* 05/2021 – 08/2021  
**Cashier**

- Operated cash registers and completed financial transactions.
- Oversaw and maintained self-checkout machines.
- Fulfilled online orders.

*RJO'Connell & Associates, Inc. Civil Engineers – Stoneham, MA* 06/2019 – 08/2019  
**Administrative Assistant**

- Organized project documents and electronic files.
- Assisted project manager with design documents in Microsoft Word, Excel, and Adobe Acrobat.