

# DOMINIC C. MAGLIONE

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## EDUCATION

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### **Boston University**

Sep. 2020 — May 2023

*BA in Computer Science, Accelerated MS in Computer Science*

- GPA: 3.80 / 4.00, Dean's List (3 Semesters)
- Courses: Software Engineering, Database Systems, Computer Systems, Data Structures and Algorithms, Probability in Computing, Analysis of Algorithms, Strategic Intelligence

## TECHNICAL SKILLS

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C, Python, C++, Java, Linux, Bash, Git, LaTeX, ReactJS, SQL, Vim, QEMU, VirtualBox, Docker, AWS, HTML, CSS

## EXPERIENCE & CAMPUS LEADERSHIP

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### **Engagement Officer, Computer Science Ambassadors**

Dec. 2021 — Present

- Foster engagement with BU student body through peer mentorship initiatives, community-building events, and interaction with campus faculty and 23 computer science student-led organizations.
- Lead team of 40+ Ambassadors, define member roles and responsibilities and monitor and document organizational activity.

### **Course Assistant, Boston University**

Sep. 2021 — Present

- Hold weekly office hours and grade assignments for 230+ students in CS210 Computer Systems.

### **Director of Recruitment, Upsilon Pi Epsilon**

Apr. 2021 — Present

- Lead UPE's semesterly recruitment process by planning informative, social, and professional events.
- Facilitate application process which includes creating application form, developing (via committee) 15 programming and logic-based interview questions, arranging 60+ interviews, and guiding the candidate selection process.

### **Cashier, Wegmans Food Markets Inc.**

Dec. 2018 — Present

- Process electronic and cash transactions via traditional registers and self-checkout systems.
- Ensure customer satisfaction by offering detailed product and services information, resolving customer complaints and issues, and facilitating effective communication with store management.

### **Competitor (Terra Nova), BostonHacks 2020**

Nov. 2020

- Won *Best Conservation for Society* and *Best Use of Google Cloud* out of over 40 competing entries.

## PROJECTS

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### **Personal Website — HTML, SCSS, ReactJS**

Live website built using ReactJS and several yarn packages to showcase experiences, projects, and skills.

### **Dotfiles — C, Python, Shell**

Customization files, like .vimrc, .bashrc, .ssh, etc., to personalize Linux or other Unix-based systems.

### **TestChain — C++, SHA-256**

Sample Blockchain built as a precursor to the creation of a ERC-20 Token on the Ethereum Network.

### **Pathfinding Visualizer — Python, Pygame**

Visualizes the A\* Algorithm and Dijkstra's Algorithm using Python and various modules such as Pygame.

### **Official CSA Website — HTML, SCSS, ReactJS**

Led a team to maintain a website using React and Node.js for back-end server-side processing.

### **Personal Archive — HTML, CSS, Gemini**

Comprehensive and detailed project archive leveraging new internet application layer protocol Gemini.