

# Blake Moody

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## Education

University of Massachusetts Boston, Boston, MA

Computer Science BS, Japanese (Minor)

GPA: 3.9, *Dean's List*

## Technical Skills

- **Programming Languages:** Python (5+ yrs.), JavaScript (3+ yrs.), TypeScript (2+ yrs.), HTML (5+ yrs.), CSS (5+yrs.), Rust (1 yr.), Java (1 yr.)
- **Platforms:** Linux, Windows 8/10/11
- **Skills:** React, full-stack web apps, customer service, data structures, data types, front-end development, back-end development, machine learning
- **Development Tools:** Visual Studio Code, Git/Github, NodeJS, RESTful APIs, Figma, MS Office

## Relevant Coursework

### **CS 210 - Intermediate Computing with Data Structures** ([Learn More](#))

- Data structures such as hash tables, linked lists, graphs, priority queues, etc.
- Extensive practice in the Java programming language, implementing algorithms such as quick sort, merge sort, binary search, breadth/depth-first search, A\*, etc.

### **CS 240 - Programming in C** ([Learn More](#))

- Memory management, computer architecture, and basic data types

## Related Personal Projects

### **UMB CS Club Site** ([HackUMB](#) | [Site Repo](#) | [Discord Bot Repo](#))

*May 2023 - September 2023*

- User login and dynamic event RSVP system using Google Cloud services
- Discord bot automates event updates and provides user site analytics
- Used skills in Japanese to translate sites by hand
- Showcase club offerings and event

### **Machine Learning Snake Game** ([Repo](#))

*February 2023*

- Implemented [genetic learning algorithm](#), teaching an AI to collect fruit and avoid walls/tail
- Designed neural network using barebones Python libraries like NumPy
- Stores and loads AI brain state in a JSON file for portable use

## Work Experience

### **UMass Boston Help Desk Technician**

*September 2021 - Now*

- Manage student accounts across the entire UMass Boston campus on multiple platforms such as WISER, Blackboard, and Outlook
- Educate students and faculty on the prevention of phishing attacks
- Provide clients with intelligent computer software support
- Train new student employees on customer relations best practices

## Extra Curricular

### **UMB CS Department Council**

*May 2023 - Now*

- A small group of the department chair, staff, undergraduates, graduate and Ph.D. students tasked with modifying future coursework, increasing freshmen outreach, and various department matters

### **UMB CS Club**

*March 2023 - Now*

- Key organizer for Fall student-lead hackathon
- A main contributor to the revamped CS Club website

## Certifications

- CompTIA ITF+
- OSHA - 10 Hour
- MTA - Intro to Programming using Python
- MTA - Networking Fundamentals
- MTA - Windows Operating System Fundamentals
- MTA - Intro to Programming using HTML and C

