

# Blake Moody

Swampscott, MA, USA | [blake.moody001@umb.edu](mailto:blake.moody001@umb.edu) | [LinkedIn](#) | [Github](#) | [WIP Site](#)

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## Education

University of Massachusetts Boston  
Computer Science BS, Japanese (Minor)  
GPA: 3.93, *Dean's List*  
US Citizen

**Boston, MA (5/2025)**

## Technical Skills

- **Programming Languages:** Python, JavaScript, TypeScript, Mojo, Java, C, Rust
- **Platforms:** Linux, Windows
- **Frameworks/Libraries:** NextJS, React, NodeJS, NumPy, PyTorch, Langchain, ExpressJS, SKLearn, WebGL
- **Development Tools:** Blender, Wireshark, Postman, Adobe Suite, Cisco Packet Tracer, Microsoft Office
- **Certifications:** CompTIA ITF+, OSHA 10-Hour, MTA 98-381, MTA 98-366, MTA 98-349, MTA 98-383

## Projects

### **Campus Web Assistant**

**Boston, MA (9/2025 - Present)**

- Designing and deploying a retrieval augmented generation pipeline (RAG) for Llama-based agent to assist UMB webpage visitors with general campus inquiries
- Scrapes the university website and consolidate similar articles into a vector database that is passed along to an open-source LLM
- Final project for my LLM independent study elective (CS478), supervised by the MPsych Research Group

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

**Boston, MA (1/2023 - Present)**

- Used Python AI-superset Mojolang to develop efficient training environment for simulating game agents to play the game snake
- Implemented [genetic learning algorithm](#), teaching an AI to collect fruit and avoid walls/tail
- Designed memory efficient convolutional neural network using barebones Mojo libraries and NumPy
- Final project submission utilizing WebGL for my Graphics CS Elective (CS460)

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

**Boston, MA (1/2024 - 5/2024)**

- User login and dynamic event RSVP system using Google cloud services
- Discord bot automates event updates and provides user site analytics
- Showcase club offerings and event

## Work Experience

### **Senior Help Desk Technician**

**Boston, MA (9/2021 - Present)**

- Manage student accounts across the entire campus on 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

## Campus Involvement

### **IT Executive Council Student Leader**

**Boston, MA (9/2024 - Present)**

- Leads student subcommittee, part of university IT executive council to discuss and make changes to online web services.
- Works alongside the IT department chair and vice chair to accurately predict and prevent campus outages
- Reports ITEC meetings to the University Student Government; currently a cabinet member of the USG

### **CS Department Council**

**Boston, MA (6/2022 - Present)**

- Group of the staff, undergraduates, graduate and Ph.D. students tasked with modifying future coursework, increasing freshmen outreach, and various department matters, lead by department chair Marc Pomplun

### **CS Club Leader**

**Boston, MA (2/2022 - Present)**

- Organized Fall student-lead hackathon
- Contributed to the revamped CS Club website