

Blake Moody

Swampscott, MA, USA | blake@mpsyach.org | [LinkedIn](#) | [Github](#) | [Moody.mx](#)

Seeking Full-time Opportunities

Education

UMass Boston, CS BS, Japanese (Minor), GPA: 3.93

Boston, MA (5.2026)

Technical Skills

- **Programming Languages:** Mojo, Python, JavaScript, TypeScript, Java, C, Rust, SQL
- **Frameworks/Libraries:** NextJS, NumPy, PyTorch, Langchain, WebGL, OpenCV
- **Development Tools:** Hugging Face, Anaconda, Cuda, Postman, Oracle, Snowflake, MS Azure, Fivetran
- **Models:** GPT, BERT, LLaMa 3.1/4, Mamba, YOLO, SAM
- **Certifications:** CompTIA ITF+, OSHA 10-Hour, MTA 98-381, MTA 98-366, MTA 98-349, MTA 98-383

Projects

AthletIQ

New York, NY (6.2025 - Present)

- Won \$5,000 2nd place prize for a Meta hosted hackathon (300+ contestants)
- AI sports coach that intakes individuals game footage and uses traditional computer vision and the long-context multimodal Llama 4 API to segment full game footage

ML Multidimensional Snake ([Repo](#))

Boston, MA (1.2023 - 5.2025)

- Used [Mojo](#) to develop efficient training environment for simulating game agents to play the game snake
- Implemented [genetic learning algorithm](#), teaching an AI to collect fruit while navigating higher dimensions
- Used barebones [Pytorch](#) and Numpy to build high performance machine learning algorithms from scratch
- Final project submission utilizing WebGL for my Graphics CS Elective (CS460)

Shakespeare Custom Language Model ([Repo](#))

Boston, MA (9.2024 - 11.2024)

- Built a [generative pre-trained transformer](#) (GPT) language model from the ground up using minimal libraries, like Pytorch
- Trained on large corpus of Shakespeare text to mimic old-style dialogue

Experience

Software Engineer Intern: Investment Data

Boston, MA (1.2025 - Present)

Transformation and Migration

- Focused on developing technologies to migrate existing on-site Oracle databases to cloud-based database solutions such as [Snowflake](#) and [Azure Data Lake Storage](#) (ADLS)
- Designed and tested novel solutions to parsing and transforming raw client/investor data for sales teams
- Participated in bi-weekly SCRUM sprints, working alongside a 100+ person development team

AI/LLM Research Fellow ([mpsyach.org](#))

Boston, MA (9.2024 - Present)

- Independent but supervised, for-credit study on LLMs (CS478), their architecture and safety/security
- Studied the transformer architecture and popular predecessors like recurrent neural networks
- Final project was a fully-functioning transformer language model to generate english texts

Campus Involvement

IT Executive Council Student Leader

Boston, MA (9.2024 - Present)

CS Department Council

Boston, MA (6.2022 - Present)

CS Club Leader & Hackathon Organizer

Boston, MA (2.2022 - Present)