

Shane Mion

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EDUCATION

Stanford University

Stanford, CA

Bachelor of Science in Computer Science | Minor in Data Science | GPA: 3.75/4.0

June 2026

- **Coursework:** AI Principles & Techniques, Programming Abstractions and Data Structures, Probability for Computer Science, Operating Systems, Computer Systems, Scientific Python, Linear Algebra+Multivar Calculus

EXPERIENCE

Product Management Intern

Singapore

ADVANCE AI

June - August 2024

- Led product vision and strategy for an internal MLOps pipeline, enhancing document OCR and IQA across diverse global document types. Conducted internal cross-team interviews, developed and prioritized user stories in JIRA sprints, and performed product research to improve scalability for our enterprise client, TikTok Shop.
- Collaborated with UX designers and R&D engineers to redesign our annotation platform, launching an AI-driven labeling step that increased annotation efficiency by 33%, reduced repeat labeling jobs by 40%, and reduced costs.
- Conducted comprehensive B2B user interviews to gather insights and inform the development of a customer relations/support system, integrating LLMs with existing knowledge bases to enhance customer query handling.

Software Developer

Stanford, CA

Stanford Graduate School of Education

Jan - April 2024

- Co-led the development of an AI-driven tool for dynamic syllabus creation, leveraging Python, React, and the OpenAI API, focusing on unique features like interactive and adaptable syllabus content tailored to each student.
- Played a key role in feature ideation and implementation, suggesting innovative concepts such as paraphrasable syllabus development; integrated with Firebase for robust hosting, authentication, and database management.

Machine Learning Student Researcher

Stanford, CA

Stanford Artificial Intelligence Laboratory (SAIL)

Jan - April 2024

- Researched integrating formal proofs from ITPs (Lean) into LLMs to enhance their mathematical reasoning.
- Improved Llama-7b's autoformalization scores on the MATH benchmark in probability and counting by 4.6%.

Social & Marketing Chair

Stanford, CA

Stanford TreeHacks, Global Hackathon

Nov 2022 - April 2024

- Implemented a data-driven marketing strategy across social platforms leading to a 52% increase in applications, attracting a record-breaking 10,000+ applicants from 320+ universities with a 70% completion rate.
- Utilized market research, content creation skills, and video editing to rebrand and enhance digital presence, resulting in a 35% growth in social following and a 1,308% increase in accounts reached within a month.

PROJECTS

[Loci: Memory Palace](#)

Swift, SwiftUI, Apple Vision Pro, Reality Kit, Blender, Bezi

- Developed an XR app using the memory palace technique, driving product design and feature ideation to allow users to attach and interact with memorization objects in 3D spaces to boost cognitive abilities and memory recall.

[MimicSpeech](#)

React.js, Flask, OpenAI API, Azure, Azure TTS, GCP, Docker, Stripe

- Launched a multilingual-learning web platform for natural language responses and synchronized speech to improve foreign accent and speaking ability, complete with content-customized user dashboards and profiles.

[Identification of Human Values behind Arguments](#), Stanford Machine Learning Lab

Pandas, BERT

- Trained and published a natural language processing (NLP) model by **fine-tuning BERT and GloVe** embeddings to categorize textual arguments into human value categories with F1 scores of 0.76 (train) and 0.45 (val).

Languages: Python, C++, C, JavaScript, TypeScript, Swift, R, SQL | React.js, React Native, Node.js, Next.js, (Mandarin)

Tools & Technologies: GCP, Cloud Run, Azure, AWS, Docker, OpenAI API, Tableau, Figma, NoSQL, Sheets, Git