

Alessandro Mason

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EDUCATION

Case Western Reserve University

Cleveland, OH

B.S. Computer Engineering, M.S Computer Science, 4.0 GPA

September, 2023 - Ex. May 2027

- **Relevant courses:** Intro to Machine Learning, Software Engineering, Computer Security, Computer Architecture, Algorithms, FPGAs, VLSI/CAD, System Design
- **Honors:** Dean's High Honors List; averaged 21+ credits/semester

RESEARCH

MoE/MoA Researcher

January 2025 – Present

Rice/CWRU AI Research Mixture-of-Experts research

Cleveland, OH

- Collaborated with Prof. Xu and PhD M.Z. on research in Mixture-of-Experts (MoE) and Attention Experts.
- Conducted 100+ experiments on custom MoE models, reducing LLM's energy consumption by 73%.
- Engineered HPC training pipelines from 2 to 13 GPUs, reducing cycle time by 67%.

INDUSTRY

SWE Intern

October 2025 – Present

BlueJay (YC X25) End-to-end testing for voice agents

San Fransisco, CA

- Built a modular-dynamic-parallel LLM framework reducing text generation time by 95% and token usage by 74%.

AI Systems Engineer Intern

June 2025 – October 2025

Tenfold AI (Plug and Play F25) Real-time bilingual voice AI interface

Hsinchu, TW

- Partnered with a team of 4 to build a real-time bilingual voice-voice AI interface with sub-200ms latency.
- Delivered to customers the full stack for mobile and web, writing [27,000+ lines of code in under a month](#).
- Drove efforts that secured Tenfold AI's acceptance into [Plug and Play Taiwan's inaugural batch](#).

SWE Intern

January 2025 – June 2025

Penske AI-powered sales training platform

Cleveland, OH

- Led a team of 6 to build a platform training 35,000+ Penske salesforce; Developed a system of 10+ AI agents.
- Optimized compute pipelines using six NVIDIA RTX A6000 GPUs, reducing latency by 30% (<600ms).

UNIVERSITY EMPLOYMENT

POS Technical Support

September 2023 – Present

Point-of-sale maintenance

Cleveland, OH

- Maintained 7 campus POS locations (5,000+ daily users) 12–14 hrs/week, ensuring 99.9% uptime.

ENTREPRENEURSHIP

CEO & CFO Website

July 2022 – Present

Kayros AI AI-powered journaling platform

Cleveland, OH

- Created a next-token human prediction model, achieving 79% accuracy by leveraging high-quality data.
- Developed and Maintained a 10,000+ line journaling interface serving 255 daily users before AI vibe coding
- Prototyped a 3D ring with BLE electronics and custom firmware; Lead the development of custom PCB.

CEO & CFO Website

June 2024 – June 2025

Kayros Attendance IoT attendance tracking system

Cleveland, OH

- Managed a team of 6 supporting 10 university professors and 800+ weekly users, processing 36,757 records.
- Designed, built, and manufactured 11 IoT portable scanners. Independently developing a 15k+ line codebase.
- Presented 9 pitches to audiences of 400+, securing \$7,000+ in non-dilutive grants.

SCHOLARSHIPS

[ThinkEnergy Fellow](#) — 1 of 12 selected from 100+ applicants; Interviewed energy executives

2025

[Veale Snyder Fellow \(SF-Prague\)](#) — 1 of 12 selected from 100+ applicants; Interviewed Silicon Valley leaders

2024

Davis Scholar — Full merit scholarship (\$160K) to study 4 years in 50+ U.S. institutions

2022

UWC Scholar — Full merit scholarship (\$80K) to study 2 years in Freiburg (DE); 1 of 2 awarded from Italy

2020

FUN PROJECTS

CWRU Hackathon Winner — 8th place out of 35 projects. Created a geo-located event scheduler app

2025

[Duolingo App Mock-up](#) — Rebuilt Duolingo-style app in 48h; 512 upvotes in the r/Duolingo subreddit

2024

\$2K Python Automation — Automated pipeline; 2,000+ videos, 90K+ views

2019

Sports Achievements — 3rd Place, Washington DC Regatta (2024); Marathon Finisher (Freiburg, Padova 2022–2025); Regional Track & Field Champion, 2000m in 6:14 (2018)