Alessandro Mason

Phone | Email | Portfolio | LinkedIn | GitHub

EDUCATION

Case Western Reserve University **Cleveland, OH**
B.E. Computer Engineering (Junior), 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

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 Mantained 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.

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.

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

Duolingo App Mock-up — Rebuilt Duolingo-style app in 48h; 512 upvotes in the r/Duolingo subreddit	**2025**
CWRU Hackathon Winner — 8th place out of 35 projects. Created a geo-located event scheduler app	**2025**
$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)