

Alessandro Mason

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EDUCATION

Case Western Reserve University

Cleveland, OH

B.E. Computer Engineering (Junior), 4.0 GPA

September, 2023 - Ex. May 2027

- **Relevant courses:** Logic Design & Computer Org, Digital Logic Lab, Digital Systems Design, Computer Design – FPGAs, Computer Architecture, Embedded Systems, VLSI/CAD, Data Structures, Algorithms, Machine Learning, Software Engineering, Computer Security
- **Honors:** Dean's High Honors List; averaged 21+ credits/semester ahah

EXPERIENCE

AI Systems Engineer Intern

June 2025 – Present

Tenfold AI 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](#).

Developer

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).

MoE/MoA Researcher

January 2025 – Present

Rice/CWRU AI Research Mixture-of-Experts research

Hybrid

- 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%.

CEO & CFO

June 2024 – June 2025

Kayros Attendance IoT attendance tracking system

Remote

- **Leadership & Product** [LinkedIn](#) | [Demo](#) | [Website](#) 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.

POS Technical Support

September 2023 – Present

Case Western Reserve Campus point-of-sale maintenance

Cleveland, OH

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

CEO & CFO

July 2022 – Present

Kayros AI AI-powered journaling platform

Remote

- **Product Development** [Website](#) | [‘22 Hardware](#) | [+1 \(216\) 480-7520](#) Directed a 2-person team to develop a 10,000+ line journaling interface serving 255 daily users. Prototyped a 3D ring with BLE electronics and custom firmware; designed a custom PCB (6 × 2 mm). Implemented AI agents with RAG and Gmail Calendar integration.

AWARDS & HONORS

[#1 App Mock-up on Reddit](#) — Rebuilt Duolingo-style app in 48h; 512 upvotes

2025

CWRU Hackathon Winner — 8th place out of 35 projects

2025

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

2025

[Veale Snyder Fellow \(SF–Prague\)](#) — 1 of 12 selected; interviewed Silicon Valley leaders

2024

\$160K Davis Scholar — Full merit scholarship at 50+ U.S. institutions

2022

\$80K UWC Scholar — 1 of 2 awarded from Italy; Full merit scholarship to study in Germany

2020

\$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)

SKILLS

- **Languages:** Python, C/C++, Java, TypeScript, Bash, Verilog/VHDL, Dart
- **Frameworks & Libraries:** PyTorch, TensorFlow, FastAPI, vLLM, React, Svelte, Node.js, Express
- **Tools & Infrastructure:** AWS, Firebase, HPC (CUDA/SLURM), Git, Docker, Embedded Systems, System Design, Parallel Programming