Zhiyu "George" Miao
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EDUCATION

University of Maryland, MD *Graduate*   *Fall 2025 - Spring 2027 (Expected)*
◦ Master in Computer Science

Syracuse University, NY *Undergraduate*   *Fall 2020 - Fall 2024*
◦ College of Art and Science, BS in Math, Minor in Logic
◦ GPA: 3.645/4.0

TECHNICAL SKILLS

Programming Languages: Rust, Python, C/C++, Java, TypeScript, JavaScript, MATLAB, LaTeX, Typst
Web Technologies: React, Next.js, Vue.js, HTML5, CSS3, Tailwind CSS, SCSS, Node.js
DevOps & Infrastructure: Kubernetes, Docker, Terraform/OpenTofu, Vercel, Cloudflare, Nginx, Traefik
Tools & Platforms: Git, Linux, Nix, AWS, PostgreSQL, Redis, CI/CD pipelines
Embedded Systems: ESP32, STM32, embedded-rs, SimpleFOC
Languages: Chinese (native), English (fluent), Japanese (intermediate)

PROFESSIONAL EXPERIENCE

OpenDAL (Apache Project) *Committer*   *Spring 2024 – Present*
Designed and implemented new storage service (`compfs`) and FTP integrations (`unftp-sbe`, `oftp`).
Contributed by authoring and reviewing community PRs and issues.

Google Summer of Code 2024 *Contributor*   *Summer 2024*
Developed production-ready FTP integration ("oftp") for OpenDAL with 95% test coverage. Collaborated
with mentor through daily standups and code reviews to deliver robust, scalable file transfer capabilities.

Limit-LAB *Co-founder & CTO*   *Fall 2022 – Present*
Built AI-driven social platform for creating and sharing custom AI models. Raised $200k seed funding from
MiraclePlus, led 7-person engineering team, and architected scalable infrastructure.

Open Source Development *Maintainer & Contributor*   *2018 – Present*
Accumulated 3,000+ GitHub contributions across AI, distributed systems, and web development projects.
Maintain active projects: `compio` (async I/O), `opendal` (data access), `clashctl` (network proxy), and `qbit`
(BitTorrent client).

Moseeker, Inc. *Frontend Engineer Intern*   *Spring 2022*
Developed responsive Vue.js and React applications serving 50K+ users. Co-designed RESTful APIs in agile
development environment.

RESEARCH EXPERIENCE

Quantified Modal Logic (QML) and Counterpart Theory (CT) *Research Assistant*   *Fall 2023*
Conducted SOURCE-funded research with Martin Abreu Zavaleta on natural language intent using QML
and CT. Published research summaries and technical reports using LaTeX and Typst.

Directed Reading Program *Mentee*   *Spring & Fall 2023, Fall 2024*
Studied abstract algebra, category theory, and group representation. Completed independent study of
Category Theory in Context and **Conceptual Mathematics**, delivered presentations on the Yoneda
Lemma and categorical constructions.