

Yage Hu

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SKILLS & HIGHLIGHTS

- **Systems researcher.** I have systems research experience, especially with WebAssembly (Wasm). I thrive at the hardware-software boundary.
- **Rust and Go expert.** I have extensive backend development experience with both languages in addition to research tooling development in Rust.
- **Cloud infrastructure expert.** I have deep knowledge of AWS and infrastructure-as-code tools like Terraform. I can bootstrap your cloud infrastructure or productionize existing deployments.

EDUCATION

Ph.D., Computer Science 2024–present
University of Georgia

B.S., Computer Engineering and Electrical Engineering 2012–2017
University of California, Davis

PUBLICATIONS

SOSP 2025. WASIT: Deep and Continuous Differential Testing of WebAssembly System Interface Implementations
Yage Hu, Wen Zhang, Botang Xiao, Qingchen Kong, Boyang Yi, Suxin Ji, Songlan Wang Wenwen Wang

WORK

Founding Engineer 2022/07/25–2023/04/14
Abbey Labs

- Bootstrap the infrastructure to host complex data ingestion and workflow workloads.
- Rapidly prototype software demos to find product market fit.

Software Engineer 2021/10/12–2022/07/22
Meta

- Implement Android camera hardware abstraction layer (HAL) for AR/VR products.
- Develop Linux/Android native system services in C++ to support AR/VR use cases.

Software Development Engineer II 2020/11/30–2021/09/20
Amazon

- Implement and maintain a specialized workflow orchestration platform in Kotlin/Java to support Amazon Prime business.

Software Engineer II 2019/03/18–2020/11/12
Uber

- Migrate a Python backend service to a gRPC Go service resulting in a 30x speedup.
- Lead the development of a new Go service that served the entire company's internal social media website.