

Alan Zhang

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OBJECTIVE

Looking for a software engineering position with real-world impact

EDUCATION

Rose-Hulman Institute of Technology

September 2021 – May 2024

Bachelor of Science, Computer Science

Terre Haute, IN

- Dean's List, 3.7/4.0 GPA
- Pursuing Artificial Intelligence, Cognitive Science, and Philosophy Minors
- Took Web Development, Deep Learning, Data Structures & Algorithm Analysis, Database Systems, Software Design, Systems Programming, Image Recognition, Software Requirements Engineering, Software Project Management
- Involved in Residence Hall Association, Computer Security Club, Intramural Sports, Badminton Club

EXPERIENCE

Kura AR

June 2023 – July 2023

Software Development Intern

SF Bay Area, CA

- Developed Proof-of-concept augmented reality applications
 - Integrated display drivers with Unity scenes for unique experiences

Inuvo

June 2022 – September 2022

DevOps Intern

San Jose, CA

- Created and managed Prometheus and Datadog alerts for backend servers
- Monitored and automated AWS usage
 - Generated scripts for reviewing inactive users and instances in spreadsheets
 - Created lifecycle rules for cloud storage, cutting daily costs by more than 30%
- Initialized and automated firewall setup for new redis docker containers

PROJECTS | alanzhang2002.github.io

BoneBot | github.com/AlanZhang2002/Bonebot

Jan 2022 – May 2022

- Developed Discord bot that sends daily messages and updates for Rose-Hulman Institute of Technology
 - Scrapes specified web pages using BS4, Requests

GLADOS Automating Science Pipeline | github.com/AutomatingSciencePipeline

August 2023 – Present

- Developed distributed simulation pipeline for aggregated, automated research simulation
 - Built off Monorepo, utilizing Docker deployment with support for multiple programming languages
 - Intuitive user interface with simple graphing and result exporting

SKILLS & INTERESTS

- **Software skills:** Java, C, Assembly, C#, Python, Bash, HTML, CSS, Node.JS, Bootstrap, SQL
- **Familiar software:** Git, Gradle, IntelliJ, VS Code, Postman, Figma, Linux, Docker, Jenkins, VirtualBox
- **Technical skills:** Familiar with software design principles/patterns, virtualization, debugging, computational efficiency, software security risks
- **Language skills:** Basic proficiency in Japanese, Mandarin
- **Interests:** Philosophy, sports, cooking, reading, keyboards