

# Alan Zhang

alanmz2002@gmail.com ❖ (650) 815-5119 ❖ Terre Haute, IN | Palo Alto, CA

---

## 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 Advanced Web Programming, Operating Systems, Software Design, Deep Learning, Data Structures & Algorithm Analysis, Database Systems, Systems Programming, Software Requirements Engineering
- 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 innovative 3D AR 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](https://alanzhang2002.github.io)

---

### GLADOS Automating Science Pipeline | [github.com/AutomatingSciencePipeline](https://github.com/AutomatingSciencePipeline)

August 2023 – Present

- Developed distributed simulation pipeline for aggregated, automated research simulation
  - Monorepo-managed tech stack of Python, Docker, MongoDB, React, NodeJS/NextJS, Kubernetes
  - Intuitive user interface with simple result exporting, supporting multiple programming languages

### AI Calendar Assistant

Oct 2023 – November 2023

- Prompt-engineered GPT-powered digital calendar assistant
  - Generates iCal files from plaintext requests, existing calendar details, and preferences
  - 90% satisfaction rate over small testing set, after using chain-of-thought, formatted prompt

## SKILLS & INTERESTS

---

- **Software skills:** Python, Java, C, Kubernetes, Bash, Node.JS, React, Assembly, CUDA, C#, HTML, CSS, C#, SQL
- **Familiar software:** Tensorflow, Keras, Linux, VS Code, Postman, MongoDB, Git, Gradle, IntelliJ, Docker, Jenkins
- **Technical skills:** Familiar with virtualization, distributed system basics, artificial intelligence concepts, debugging, computational efficiency, software design principles/patterns, software security risks
- **Language skills:** Basic proficiency in Japanese, Mandarin
- **Interests:** Philosophy, sports, cooking, reading, keyboards