

# Alan Zhang

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## OBJECTIVE

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Looking for a software engineering position with real-world impact

## EDUCATION

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### 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
- Involved in Residence Hall Association, Computer Security Club, Intramural Sports, Badminton Club

## EXPERIENCE

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### 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](https://alanzhang2002.github.io)

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### BoneBot | [github.com/AlanZhang2002/Bonebot](https://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](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
  - Intuitive user interface with easy result exporting, supporting multiple programming languages

## SKILLS & INTERESTS

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