

XIANGFENG(ALLEN) ZHU

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🎓 EDUCATION

University of Michigan, Ann Arbor
Bachelor of Science, Computer Science

Expected: May 2020
GPA:4.0/4.0

👤 EXPERIENCE

Hainan Airline Beijing, China
Software Engineer Intern

July. 2018 - Sep. 2018

- Worked in Airline Map team to create new navigation app for pilots
- Implemented newly-designed pages and built an interactive navigation with HTML, CSS, XML and OpenLayers3

Disorderly Lab UC Santa Cruz
Undergraduate Researcher Advisor: Prof. Peter Alvaro

Mar. 2018 - Sep. 2018

- Developed a debugging approach based on analysis of provenance data obtained during system executions equipped with correctness specifications
- Helped Design a standalone prototype Debugger Nemo and validated Nemo on protocols from real-world distributed bugs

Storage System Research Center UC Santa Cruz
Undergraduate Researcher Worked Under: Prof. Darrell D. E. Long

Mar. 2017 - Sep. 2017

- Designed an algorithm to find the location of IMSI Catchers based on received signal strength (RSS)
- Built an app that detects which cell tower a phone connected to, determine fake cell tower, and locate the cell tower or potential IMSI-Catcher

⚙️ SKILLS

- Programming: Java, C, C++, Python, MATLAB, Bash, Go(Limited), Scala(Limited)
- Markup/Templating: HTML, CSS, \LaTeX
- Tool: Git, Vim, Neo4j, Docker, Xcode, Flask

♥️ PROJECTS

Fault-tolerant Scalable Key-Value Store (Python)

- Developed a distributed, fault-tolerant key-value store that can store the amount of data that cannot fit into one single machine, using consistent hashing

Distributed Debugger Using Provenance Graph (Go)

- Designed a lineage-driven distributed debugger(Nemo) with graduate students that can analyze the program and give suggestions to the programmer how and where to correct the program

📄 MISCELLANEOUS

- Personal website: <http://xzhu27.me>
- GitHub: <https://github.com/Romero027>
- Languages: English - Fluent, Mandarin - Native speaker