Xiangfeng(Allen) Zhu

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🎓 Education

University of Michigan, Ann Arbor   Expected: May 2020
Bachelor of Science, Computer Science   GPA:4.0/4.0

👥 Experience

Dropbox San Francisco, CA   May. 2019
Incoming Software Engineer Intern

- Will be working in Dropbox as a Software Engineer intern starting May 2019

Software Systems Lab University of Michigan   Dec. 2018 - Present
Research Assistant   Work Under: Prof. Mosharaf Chowdhury

- Currently working on a project related to geo-distributed data processing.

Hainan Airline Beijing, China   July. 2018 - Sep. 2018
Software Engineer Intern

- 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 Open-Layers3

Disorderly Lab UC Santa Cruz   Mar. 2018 - Sep. 2018
Undergraduate Researcher   Advisor: Prof. Peter Alvaro

- 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

⚙ Skills

- Programming: Java, C, C++, Python, MATLAB, Bash, SQL, 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

ℹ Miscellaneous

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