

Zhenghuan Zhao (Matt)

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Objective

- Passionate about building user-facing web/mobile products that people love to use
- Interested in mobile applications, mobile/web backend api endpoints, large-scale distributed framework, machine learning
- Willing to take on different roles : software engineers, product managers

Experience

Software Engineer Intern at Facebook

Menlo Park, CA - 05/2014 - 08/2014

Instagram Core Infrastructure Team

- refactored Instagram internal database tools
- wrote and deployed memcached and postgres health check scripts
- wrote remediation scripts that automatically replace dead db servers

Software Development Engineer Intern at Amazon

Seattle, WA - 05/2013 - 08/2013

Webstore Extensibility Platform Team

- built a runtime-time sandboxing prototype for render engine's javascript execution environment with system-call filters and Linux containers.
- integrated amazon webstore API with dust templates in the render-engine, so developers can access them when writing dust helper functions.

Research Assistant at Habanero Research Group

Houston, TX - 05/2012 - 08/2012

Research Assistant under Professor Vivek Sarkar at Rice University

- implemented the code-completion prototype for DrHJ IDE(an IDE developed at Rice for Habanero Java programming language) by first using antlr to develop a parser to HJ grammar so that the IDE can store the tokens into a prefix-tree and then designing a java GUI to display auto-completion suggestions.

Education

Rice University

- Master of Computer Science (MCS), GPA: 3.84
- Bachelor of Arts (BA) in Computer Science, GPA: 3.90

Houston, TX - 12/2013 - 12/2014

Houston, TX - 08/2010 - 12/2013

Technical Skills

Programming Languages: Java > C > Objective-C = Python

Frameworks/SDKs: Google App Engine, Parse, iOS, PostgreSQL/Django/Uwsgi, Three.js, Node.js, SciKit-Learn

Projects: Yalnix kernel and file-system, iOS campus navigation augmented reality app, Real-time strategic shooting game based on WebGL and Websockets, Real-time chatting application, SQL query executor, Document indexing and retrieval system, LL(1) parser