Alex Hu

Contact

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Work Experience

Current FEB 2015	Software Engineer at TUBEMOGUL, Emeryville *User Interface* Full stack web development. Improved forecasting accuracy from 35%-80%. Migrated and refactored legacy reporting systems unlocking cost-savings and system scalability.
MAY-AUG 2014	SDE Intern at AMAZON, Seattle *Fulfilled by Amazon* Designed and implemented health monitor for AWS Data Pipelines. Developed hive parser to preprocess data pipeline. Table dependency graph visualized with D3.js
JUNE-AUG 2013	Software Engineering Intern at IBM, Emeryville *BigFix* Designed and implemented REST API for Tivoli Endpoint Manager Analytics with Ruby on Rails. Automation of health-checks.
NOV 2011-JULY 2012	Engineering Intern at IDENTIFIED, San Francisco *Acq. by WorkDay* Compiled user study featured in Forbes, Fortune, WSJ. Compiled business metrics for Series B slide deck. Automated developer on-boarding. Architected messaging and search frontend with Backbone.js

Education

MAY 2015	Bachelor of Arts in COMPUTER SCIENCE, **University of California, Berkeley** Self supported

Projects

Facebook Events to Google Calendar	1st @ Berkeley Facebook Hackathon. PHP and Java.
Fast Matrix Multiplication	Exploited memory and processor architecture for numeric computation. 75th percentile performance in class of 400. C, gcc, x84, SSE.
Enigma Machine Simulation	Simulated Enigma Type B, a WWII-era German encryption system. Java, make.

Skills

Working proficiency:	Javascript, PHP, Python, Ruby, Access, unix, SQL, git
Some knowledge:	C, C#, LaTeX
Soft skills:	empathetic communication, project management, code review

Interests and Activities

Project Euler, Linear Algebra, Machine Learning, Computer Vision, Virtual Reality
Financial Markets, Economics, Investing
Literature, Writing, Running, Weightlifting, Bicycling