Zhi An NG

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Java, Python, JavaScript, HTML, CSS, MongoDB, PostgreSQL, C, Unix, Vim, Compiler, VM, PL, Devtools

Professional Experience

Uber, *Software Engineering Intern, San Francisco, May 2016 – Present*
- Run A/B test to improve web sign-up conversion rate
- Extract portion of legacy Python code base into a separate service (Tornado, Thrift)

Stripe, *Software Engineering Intern, San Francisco, February 2016 – May 2016*
- Prototype Scalding data pipeline to calculate connect fee for thousands of managed accounts
- Extend EmberJS web app to simplify and streamline identity verification process for managed accounts

Google, *Software Engineering Intern, New York, October 2015 – January 2016*
- Extend legacy internal tool (Java Reflection, ProtoBufs, WSDL, SOAP) powering AdWords and DoubleClick
- Add features to an internal issue management bot written in Python, used by hundreds of teams in Google, eliminating tedious work done by the team every quarter to get status updates on bugs
- Speed up DoubleClick for Publishers Developers Site generation by 5x

EquityZen, *Product Engineering Intern, New York, August 2014 – July 2015*
- Build web application on Python/Django stack backed by Celery, RabbitMQ, PostgreSQL
- Increase test coverage of code over 5x, using unittest, nosetests, coverage.py, and Selenium
- Optimize web page delivery speed, >20% speed increase, using cache and compression
- Implement third party integrations with HelloSign, MailChimp, CrunchBase

Ganglia, *Google Summer of Code (GSOC) Student Participant, Singapore, May 2013 – Aug 2013*
- Improve existing code base of JMXetric by adding unit tests and refactoring
- Create a configuration discovery tool to easily generate XML configuration files

Centre for Strategic Infocomm Technologies (CSIT), *Intern, Singapore, Feb 2012 – Jul 2012*
- Perform preliminary studies on Hadoop, HBase, Cassandra to help with Big Data problems
- Develop an API on top of Hadoop and HBase for clients to communicate with database easily

Projects

Open-source projects and contributions
- Creator of ChromeLens, QuickView for YouTube, pycrunchbase, colordiffs, multi-step-modal, ocs, where is it?
- Contributor to NUSMods, MkDocs, PyBambooHR, Django, gmetric, jmxetric, CodeMirror

Leadership Experience

Chairperson of National University of Singapore Students' Union Welfare Committee
- Lead a committee of 50 people to organise school wide events reaching 10,000 students

Director of Freshmen Orientation Projects
- Organize programs for 300 freshmen in the summer, including two camps and two gatherings

Education

National University of Singapore, 2012 – present (Class of 2017)
- Bachelor of Computing (Computer Science) Undergraduate (GPA 4.2)

Hwa Chong Institution, 2008-2009
- Hwa Chong Diploma with Merit (2009), Outstanding Student Award (2010)

Achievements

Greylock Hackfest 2016 2nd Place - ChromeLens

Break The Banks Hackathon 2016 Best Business Idea - ForX

AngelHack Brooklyn 2015 Overall Winner, Linode Prize – Where is it?

Video Hack Day NYC 2015 People's Choice – VidComb

Smart Cities Hackathon NYC 2015 Winner – What sunblock should I use?

Hack & Roll 2013 Best Freshmen Project – NUSMorge