Mitchell Huang

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EDUCATION

University of California, Berkeley (Berkeley, CA)

- B.A. Computer Science

WORK EXPERIENCE

Massdrop (San Francisco, CA)

Software engineer, May 2015 – August 2016

- Re-engineered massdrop.com from PHP to an event driven Node.js/React stack.
- Lead the development of a native iOS/Android app using react-native.
- Massdrop acquired a $40 million series B during my time there.

Reddit Unofficial Gaming Community (New York, NY)

Founder and co-moderator, September 2012 – January 2014

- Founded the /r/tf2eastcoast gaming community and managed its administrators, game servers, and websites.
- Developed a Node.js tournament application with Steam OpenID and Amazon EC2 for on-demand game servers (see github.com/huangbong/tf2-ultiduo).
- Our main server in NYC was ranked among the top 100 most trafficked TF2 servers in the world.

National Institutes of Health (Frederick, MD)

Software engineering intern, June 2012 – August 2012

- Developed Python programs that created 2D and 3D nuclear magnetic resonance (NMR) sampling tables for scientific experiments.
- Implemented non-uniform table sampling (NUS) algorithms to speed up data collection in NMR experiments (see Publications).

SKILLS

Programming languages

- Javascript (full-stack, isomorphic), Python, Java, Go, PHP, C, C++, MIPS

Database technologies

- PostgreSQL, MySQL, Redis, MongoDB, memcached, SQLite

DevOps technologies

- In no apparent order: Amazon AWS, Docker, Xen, KVM, OpenVZ, LXC, Chef, Puppet, Jenkins, Ansible, nginx, Linux, Codeship, Travis CI, Rollbar, PM2, varnish, etc…

PUBLICATIONS

"Efficient and generalized processing of multidimensional NUS NMR data: the NESTA algorithm and comparison of regularization term", Shangjin Sun, Michelle Gill, Yifei Li, Mitchell Huang and R. Andrew Byrd, Journal of Biomolecular NMR, DOI 10.1007/s10858-015-9923-x.