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PROFILE

I am a web developer with a background in mathematics, statistics, and finance. I enjoy working on complex problems where I can leverage my analytical ability to build cool programs.

SKILLS

- **LANGUAGES:** Javascript, Python, Phoenix, HTML, CSS, Swift, React Native
- **FRAMEWORKS:** JQuery, Vue.js, Angular, Node.js, React.js, Velocity.js, SASS, React Native
- **DATABASES:** MongoDB, MySQL, Postgresql, Postgres, MySequal, Sequal
- **OTHER:** API calls, full-stack web development, software engineering, state management, redux, mobx, freactal, routing, router, software development, developer, CRUD, REST, SOAP, webpack, D3, Victory Charts, heroku, nanobox.io, Amazon Web Services (AWS), material-ui, material design, bcrypt, firebase, Auth0, p5js

DEVELOPMENT PROJECTS

LIVE DRAWING APP [<http://pennydrop.nanoapp.io>]

A live drawing application that lets multiple people draw at once and vote on the result. It features: live canvas drawing, multiple sockets per user, live chat, multiple colors and widths on draw tool, image emitting, voting system, timer. The tech: Vue.js frontend, Phoenix backend, nanobox deploy to AWS.

JOBTRACKER [<https://github.com/patientplatypus/platypusTracker>]

A time management dashboard and automated job application system. It features: voice recognition, calendars, live updating, routing, conditional rendering, automated templating, scheduled commands, web scraping. The tech: React frontend and Node.js backend.

MY BLOG [<http://www.q8z8p.com>]

My personal website, currently in active development, that features personal thoughts with new and interesting projects. It features: Arc React seed scaffolding, modular styled components, react routing, navigation and archive links. The tech: React front end with styled-components modularization, webpack build tools.

BLOG PROJECT [<http://www.q8z8p.com>] GOOGLE “RE” FINANCE

A project featured on my blog, I remade Google Finance using Victory Charts (a D3 library).

BLOG PROJECT 2 [<http://www.q8z8p.com>] <IN ACTIVE DEVELOPMENT>

Currently developing an algorithm/data structures visualization blog using the p5js graphing package.

PICTURE SWAPPER [<http://q8z8p.com>]

I made an app that lets people “buy” pictures from the internet and trade them with other users. The fake money/points used inflates over time, going to the poorest 20% of users. It features: CSS animations, logins, REST API, modals, interactions with other users, emojis (:D). The tech: React front end with Python Rest API backend pushed to heroku.

PYTHON IDE SCHOOL AID [https://github.com/patientplatypus/kiwi_compute]

During the recent ATXHack4Change my group made a Python IDE specifically designed to be easy to use for middle schoolers. It features: material design, secure log in and saving features in node.js using bcrypt and promise based architecture. The tech: node.js, bcrypt, material design, React front end.

WORK EXPERIENCE

INDEPENDENT SECURITIES / OPTIONS TRADER 2012-PRESENT

- Self financed through options trading in the tech sector for 5 years.
- Traveled extensively in Asia, India, Australia, and South America.

SENIOR FINANCIAL ANALYST, CAPITAL ONE FINANCIAL 2011-2012

- Responsible for multiple business cases in excess of \$1M
- Designed and implemented cost/capacity allocations process for Digital Finance (\$150M+ budget).

COUNTRY ANALYST / RESEARCHER, COMPANY, FEDERAL RESERVE DC 2008-2010

- Responsible for maintenance of statistical catalog in Unix based time-series environment.
- Created reports presented during Pre-FOMC briefings to the Board of Governors.

EDUCATION

General Assembly, Austin Campus - Web Development Immersive
University of Illinois at Urbana-Champaign - B.A. Mathematics, Statistics, and Economics.