github.com/vokoshyv
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Aaron Tsui

Technical Skills

Strong: Javascript, Algorithms, Node/Express, MySQL, RedisDB, Git, Gulp, Deployment, Linux, Authentication, MatLab
Experienced: D3, Backbone, React, Angular, MongoDB, HTML, CSS/SCSS, jQuery, Bootstrap, PHP, Python, Grunt

Recent Projects

Even Stevens – (evenstevens.co) Full Stack Engineer, Scrum Master, Team of Four
Interactive bill splitting app designed for users eating dinner with large parties
- Engineered Redis Database structure for storage use in Node/Express server and during Socket.io interaction
- Deployed project on Digital Ocean under reverse proxy server while streamlining file transfer via Git environment
- Accelerated project build process through uniquely tailored Gulpfile system automation
- Led daily standups, enforced Git workflow, and managed feature implementation through Waffle.io
- Maintained consistent code style using specialized Javascript Code Style Checker testing packages

Effects of AP Item Changes – (vokoshyv.com/apchangeeffects) Full Stack Engineer, Solo
Reference app that demonstrates changes in gameplay for Riot Games's popular game, League of Legends (LOL)
- Mined data from 60,000 LOL matches and stored relevant info in Mysql database with raw query strings
- Analyzed differences between matches played during different time periods
- Performed server-side rendering of application views through handlebars templating
- Deployed project on top of Digital Ocean blog under Ngnix reverse proxy server

PickUp – (github.com/lightcante/triumphant-mailbox) Front End Engineer, Principal Automation Director, Team of Four
Responsive app that provides users an avenue for scheduling pickup basketball games
- Redesigned data objects contract to simplify communication between frontend and backend
- Introduced responsiveness by injecting Foundation classes via SCSS into front-facing HTML elements
- Evolved previous Angular architecture to incorporate new controllers and views that improved clarity for users

Trybe – (github.com/lightcante/trybe) Back End Engineer, Scrum Master, Team of Four
Social workout app specifically targeting the Crossfit community
- Integrated Sequelize with Node/Express as an ORM for navigating mySQL schema
- Assembled API routing between frontend controllers and backend Node/Express server
- Directed daily standups, organized team Git workflow, and established data objects contract

Experience

Hack Reactor – Hacker in Residence   2015 – 2015
- Developed and monitored community within cohorts totaling over 100 Hack Reactor students
- Coached student teams on technical portions of web development along with advising on interpersonal relations
- Coordinated after-hours speakers, including CTOs and CEOs at companies such as NPM, Vida Health, Ludei games

Fresenius Medical Care – Biomedical Technician   2013 – 2014
- Maintained dialysis machinery and water purification system on a rotating monthly timetable
- Trained clinic staff on proper setup and shutdown of all dialysis equipment
- Collaborated on a team of seven spread across eight clinics, overseeing all technical aspects of personal clinic
- Reduced time requirement for disinfecting water purification system by 33% by parallelizing operations

Northwestern University Vascular Surgery Lab – Researcher   2009 – 2012
- Mapped out pharmacological pathway for nitric oxide use following vascular surgery
- Co-authored paper detailing this process; published in journal *Nitric Oxide,* Nov 2014

Education

Hack Reactor – Advanced Software Engineering Immersive
Northwestern University – BS in Biomedical Engineering
- Relevant Coursework: MatLab Programming, Differential Equations, Multivariable Calculus

Personal Interests
- Ran in 2011 and 2013 Chicago Marathons and biked from Chicago to New York in 22 days