

LANGUAGES AND TECHNOLOGIES

Proficient: JavaScript, Algorithms, React, Angular, Node/Express, HTML5, Handlebars, CSS3, MySQL, RedisDB, MongoDB, Git, Gulp, Grunt, Webpack, DigitalOcean, NGINX, Linux, MatLab, DAQ

Experienced: D3, Backbone, SCSS, Bootstrap, jQuery, PHP, Python, Ruby, Heroku

RECENT PROJECTS

Even Stevens | Full Stack Engineer + Scrum Master | <http://evenstevens.co> 2015

Interactive bill splitting app designed to ease the pain of splitting checks among individuals in large parties

- Architected RedisDB schema for storage and integrated it with Socket.io for instantaneous database updates
- Deployed project on DigitalOcean with NGINX reverse proxy server while streamlining file transfer via Git
- Accelerated project build process through building Gulpfile system automation uniquely tailored to the app
- 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 | Full Stack Engineer | <http://vokoshyv.com/apchangeeffects> 2015

Reference tool for League of Legends players that uses metrics to demonstrate recent changes in gameplay

- Mined data from 60,000 LOL matches using 12 concurrently running Node/Express servers
- Wrote data parser in JavaScript to find relevant match data, storing it in MySQL db with raw query strings
- Designed JavaScript comparison algorithm to analyze differences between matches at different times
- Performed server-side rendering of application views using the Handlebars templating library

PickUp | Front End Engineer + Principal Automation Director 2015

Platform for avid basketball players to schedule pickup games at nearby courts using GPS technology

- Introduced responsiveness by injecting Foundation classes via SCSS into front-facing HTML elements
- Provided build process automation for team using Gulp to project workflow and deployment
- Refactored Angular architecture to incorporate new controllers and views that improved clarity for users

Trybe | Back End Engineer + Scrum Master 2015

Online journal for Crossfit community members to log and share their daily workouts with other members

- Engineered MySQL schema and integrated it with Node/Express server to store/retrieve user workout data
- Assembled API routing endpoints between frontend Angular controllers and backend Node/Express server

WORK EXPERIENCE

Outco Inc. | Full Stack Engineer + Lecturer 2015 – Present

- Created Outco single page website using HTML5 and Bootstrap, deploying it on DigitalOcean with NGINX
- Taught and lectured 12-student classes on core computer science data structures and algorithm patterns

Hack Reactor | Teaching Assistant 2015 – 2015

- Monitored community within cohorts totaling over 100 Hack Reactor students using Asana tracking system
- Guided multiple student teams through the agile development process of full stack applications built with modern JavaScript frameworks
- Coordinated with CTOs and CEOs at 15 different SF based tech companies to deliver industry related talks

Fresenius Medical Care | Biomedical Technician 2013 – 2014

- Performed 162 dialysis machine re-outfits and rebled 30 carbon water tanks to maintain water purity
- Trained clinic staff on proper setup/shutdown of 47 dialysis machines saving \$100,000 in operating costs
- Reduced time requirement for disinfecting water purification system by 33% by parallelizing operations

Northwestern University Vascular Surgery Lab | Researcher 2009 – 2012

- Mapped pharmacological pathway for nitric oxide use following vascular surgery for future FDA approval
- Co-authored research paper detailing NO2 process; published in journal *Nitric Oxide*, Nov 2014

EDUCATION

Northwestern University | B.S. Biomedical Engineering 2008 – 2012

- Relevant Coursework: MatLab Programming, Differential Equations, Multivariable Calculus