Tyler Ross

tdross21@gmail.com

Education

University of California, Berkeley	Berkeley, CA
BA Applied Mathematics	December, 2015

Experience

Artivest — New York, NY
Product Engineer — Jan. 2018- Present
Worked on close knit team on large software application with thousands of users.
Responsible for designing and building new features for a rapidly growing product
as well as transitioning to a service style architecture by refactoring and redesigning a monolith application.
Specifically was responsible for building and maintaining internal and external REST architecture and building out
a data pipeline utilizing s3, dynamo db and airflow.

Noodle Pros — New York, NY
Full Stack Lead Engineer — Mar. 2017 - Nov 2017
Led Software Team on large software application with thousands of users.
Responsible for designing and building new features for a e-commerce site whose traffic
increased 9x under my team. Redesigned the payment and distribution system to handle scale
and reducing manual fixes by 90% which reduced operational and customer service load.

Stir Works — Pasadena, CA
Software Developer — Oct 2015 - Feb 2017
Implemented and tested all functionality in a data visualization and business
analytics platform as well as an internal mapping web application to aid in
customer service, data insights, A/B testing and desk reliability

EPI Sports — Huntington Beach, CA
Intern — Feb 2011 - Oct 2012
Used regular expressions and excel to compile data for a database

Projects

Stir Analytics for Business: A business intelligence and data visualization SaSS Web Application built using React, nvd3.js, d3.js, Bootstrap, Django, and Django Rest Framework.
Stir Internal Desk Commissioning Tool: An internal mapping tool built using Canvas and jQuery in order to expedite desk repairs and create new internal insights on desk usage. Included a QR code reader to expedite desk installation.
Focusly: Built in express.js, React and Redux, Focusly is a material designed inspired productivity timer powered by Spotify that uses work and rest intervals backed by Users' playlists. Accessible at www.focusly.us.
CSV Processor: Small demonstrative microservice built in Django (Rest Framework) that accepts different customer's csv's to be processed and then extracted into JSON to be sent to a data store.
Battle Royale: 80's arcade style HTML5 game built in vanilla javascript and canvas api.

Skills

Languages: Python, Javascript, Java, C, HTML5, CSS, Matlab, Latex, Sass
Frameworks/Technologies: Django, Flask, Django Rest Framework, celery, jQuery, jQuery Mobile, Pandas, SQL, Linux, Apache, d3.js, tableau, React, Redux, AngularJS, Webpack,
Concepts: Objected Oriented Programming, Signal Processing, Data Structures, Algorithm design, Regular Expressions, Database, Design Patterns, Machine Learning, Statistics
Application Development: Developed web applications in Python, Javascript and various frameworks in an agile environment with team and individual version control in JIRA and git. Data Visualization in d3 and nvd3.js. Worked with QA to build and implement test plans. Built, maintained and utilized internal company API's.
Other skills: Officer of Cal Cycling, Competent with Illustrator/Photoshop and Sketch

Personal Information

Personal Website*: tylerdross.com*
Github Profile: *https://github.com/trizzle21*

References can be provided upon request