Tyler Ross

tdross21@gmail.com

Education

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

Experience

Noodle Pros	New York, NY
Lead Software Developer	2017-Present

Led Software Team on large tutoring management and sales system with
hundreds of users, responsible for developing and testing on the front and backend

Stir Works	Pasadena, CA
Software Developer	2015- 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	2010-2012

Used regular expressions and excel to compile data for a database

ESPNRISE/DyestatCal	Arcadia, CA
Intern	2010-2012

Worked with a team of journalists to provide photography, website and database management

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.
Smart Cell Analytics: Built in Python, Pandas, SciPy, Smart Cell uses machine learning algorithms such as the Kalman Filter and PCA to predict usage of cell towers over time. Winner of the 2016 UCI Data Science Hackathon.
Focusly: Built in Node.js (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.
Personal Website: Created my personal website and blog built on HTML, Javascript, jQuery and CSS generated using Jekyll.

Skills

Languages: Python, Javascript, Java, C, HTML5, CSS, Matlab, Latex, Sass
Frameworks/Technologies: Django, Flask, Meteor, Bootstrap, Tableau, jQuery, Pandas, SQL, Linux, Apache, Django Rest Framework, d3.js, React, Redux, Webpack, Hadoop
Concepts: Objected Oriented Programming, Signal Processing, Data Structures, Algorithm design, Regular Expressions, Database management, 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, 4 years of High School Spanish

Coursework

- Structure and Interpretation of Computer Programs
- Advanced Linear Algebra
- Numerical Analysis
- Data Structures and Programming Methodology
- Discrete Mathematics and Probability Theory
- Concepts Of Probability

Personal Information

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

References can be provided upon request