

TYLER S. SULLIVAN

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WORK EXPERIENCE

Pilotly, Inc.

Los Angeles, CA

Full Stack Software Engineer – JavaScript

Mar 2017 – Present

Dashboard and viewer portal for content testing and viewer feedback in media and entertainment industries.

- Built transaction & subscription payment processing flow for dashboard with Braintree SDKs, MeteorJS, & MongoDB
- Re-engineered business website from PHP/jQuery to VanillaJS, Handlebars, Express, & MySQL, implementing redesign
- Created user profile, team, and settings menus, implementing automatic user engagement emails through SendGrid
- Incorporated pop-up notifications with React Notification System and welcome tutorial with React Joyride
- Regular bug fixing, form validation, view creation, and business logic in ReactJS, Redux, Node, and web sockets

Optimizely Tag Manager

Philadelphia, PA

Contract Software Engineer at Optimizely – JavaScript

Jul 2016 – Sep 2016

Allows online marketers to manage 3rd party JS dependencies; developed for Optimizely's beta App platform.

- Built dependency management engine allowing users to insert tags into page with configurable trigger conditions
- Implemented front-end with ReactJS using Optimizely User Interface (OUI) design guidelines
- Incorporated tab, table, side panel, and modal navigation, and re-factored code to reduce number of API calls by 67%
- Created tag search functionality, instantaneous notification updates, and user-friendly form validation

UniWorld Group, Inc.

New York, NY

Accounts Intern

Jun 2015 – Aug 2015

- Aided in forming 2016 multicultural marketing strategy recommendations for Colgate, Amtrak, Pfizer, and Home Depot
- Analyzed web traffic data, competitive advertising, & social media brand management in regular reports to agency clients
- Presented in-depth LGBTQ report on market size, culture, and consumer trends for agency professional development

EDUCATION

University of Pennsylvania, The Wharton School of Business

Philadelphia, PA

Bachelors of Science | Information, Operations, & Decisions, Marketing | GPA: 3.63/4.00 May 2016

- Relevant Coursework: Intro to Programming, Developing for Data Access & Analysis, Business Computer Languages, Information: Strategy & Economics, Brand Management, Consumer Behavior, Digital Marketing & E-Commerce

Horizons Technology Fellows Program

Philadelphia, PA

Software Engineering, Entrepreneurship

Jun 2016 – Aug 2016

- Relevant Coursework: Object Oriented Programming (JS), Data Structures, Algorithms, Web Security, Source Control

PROJECTS

Double Message

Philadelphia, PA

Full Stack Developer – JavaScript

Jun 2016

Simple application allowing users to send/receive messages for multiple services in a unified interface.

- Used Twilio API and webhooks to allow registered users to send texts from the web to actual phone numbers
- Enabled users to schedule messages by implementing a cron job to check for messages to be sent
- Built backend with Node.js and MongoDB, rendering views with Handlebars

Twitter Presidential Primary Campaign Analyzer

Philadelphia, PA

Final Student Project – Python

Apr 2016

Analyzed Twitter accounts of 5 presidential primary nominees to ascertain key differences in rhetoric.

- Parsed Twitter API data into a pandas DataFrame containing dictionaries of word frequencies of each primary nominee
- Created graphs using a MATLAB-like plotting framework to compare nominee's rhetoric against various lexicons
- Analyzed data comparing political strategies of primary nominees based on word choice and frequency

SKILLS AND TECHNOLOGIES

Backend Web Dev: NodeJS, ExpressJS, Python, Java, MongoDB, SQL

Frontend Web Dev: JavaScript (ES6), HTML5, CSS3, AJAX, jQuery, Handlebars, ReactJS, sockets.io

Design: Photoshop, Illustrator, InDesign | **Software:** GitHub, SPSS