TYLER S. SULLIVAN

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EDUCATION

University of Pennsylvania, The Wharton School of Business   **Philadelphia, PA**

Bachelors of Science | Information, Operations, & Decisions| GPA: 3.63 /4.00   May 2016
- Relevant Coursework: Intro to Programming, Developing for Data Access & Analysis, Business Computer Languages
- Honors: Dean's List (2015-2016), Huntsman Program

Horizons School of Technology   **Philadelphia, PA**

Software Engineering, Entrepreneurship   Jun 2016 -Aug 2016
- Relevant Coursework: Object Oriented Programming (JS), Data Structures, Algorithms, Web Security, Source Control

WORK EXPERIENCE

Optimizely Tag Manager   **Philadelphia, PA**

Contract Software Developer 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 within Optimizely iframe
- Incorporated client-side routing to support tab navigation and shared state across multiple view components

PROJECTS

ShareCropper   **Philadelphia, PA**

Full Stack Developer – JavaScript   Jul 2016

ShareCropper allows small-scale gardeners to easily sell crops to their health-conscious neighbors.
- Wireframed, designed, and developed all frontend webpages for platform using HTML, CSS, Flexbox, and Handlebars
- Implemented inbox and instant messaging functionality using React.js and sockets.io
- Designed and implemented database schema with MongoDB and Node.js

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 the backend with Node.js and MongoDB, rendering the 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

EXTRACURRICULAR ACTIVITIES

IMPACT Magazine   **Philadelphia, PA**

Founding Board - Chief Digital Strategist, Managing Editor   May 2013 – Dec 2015
- Developed upennimpact.org website & blog platform with WordPress; over 8,000 page views in first 5 month of launch
- Managed Tech team to optimize site performance, traffic, design, and future digital advertisements
- Guided team of 20 writers, 5 copy editors, & 6 photographers through journalism process in quarterly 40-page magazine

SKILLS AND TECHNOLOGIES

Backend Web Dev: NodeJS, ExpressJS, Python, Java, MongoDB, SQL
Frontend Web Dev: JavaScript (ES5), HTML5, CSS3, AJAX, jQuery, Handlebars, ReactJS, sockets.io
Design: Photoshop, Illustrator, InDesign **| Software:** GitHub, SPSS