Todd Oh

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OVERVIEW

I'm a full-stack web developer with diverse experience in the startup industry. The projects I have worked on over the years are connected with data analytics, news aggregation, visualization, and web applications. Formerly an Engineering Lead at a startup company, I gained expertise in developing production-stage applications, including a news briefing service that was launched at the University of Pennsylvania.

With my expertise in product development and engineering practices, I create quality software that integrates technology into society.

SKILLS

Frontend — Javascript/Node.js expert, CSS, HTML DOM manipulation/ optimization, React.js, react-redux, lit-html, Handlebars.js.

Backend — Production-level RESTful API and database architecture, MongoDB, MySQL, Linux/AWS EC2 Server.

Python 3 — Data Aggregation, Natural Language Processing with nltk/spaCy, LDA Modeling, K-Means Clustering, Flask

UI Design — Designed a number of production applications using Sketch, Figma

Tools — Git, Sentry.io, Mixpanel, Mailchimp, SparkPost, OneSignal, Google Analytics, Facebook Ads

Languages — Bilingual in English and Korean

EDUCATION

B.S. Sociology, 2018
Yonsei University, Seoul, South Korea

WEBSITE

Github profile
https://github.com/toddoh/

Portfolio website
https://toddoh.com

EXPERIENCE

Project Engineer, THISISALLABOUT
Oct 2017 – Present | New York, NY

Led early-stage engineering for a data-driven journalism project. Built an automatic news clustering system and a web application to visualize complex issues and agendas by group, timeframe, and topic.

- Designed and developed a web application, including "WhatTrumpSaid", the analysis of the tweets by President Trump, enabling people to navigate through their agendas across time.
- Built an in-house dataset editor console with Node.js, MongoDB, React.js.
- Implemented natural text processing with Tf-Idf/word2doc, and K-Means clustering.
- Implemented topic modeling and natural language processing with Latent Dirichlet Allocation in Python.

Engineering Lead/Founder, Toast Labs, LLC.
Apr 2015 – Jul 2017 | Palo Alto, CA

Led a technology startup that developed and launched mobile applications, including "#Newsrooms", which provided a solution for journalistic bias through an automatically generated news briefing.

- Designed and built a custom interface framework for desktop and mobile experience in JavaScript
- Built a Node.js/MongoDB server running a number of API endpoints and news natural language processing backend for "#Newsrooms".
- Managed Mixpanel analytics to improve user retention and discoverability, in conjunction with data-driven interface redesign.
- Built an adaptive low-power geofence engine and camera scribble experience in Objective-C.
- Designed user interface for multiple applications.

Intern, Ars Praxia (TREUM)
Nov 2011 – Feb 2012 | Seoul, South Korea

Helped a strategy consulting team perform data cleaning for a Semantic Network Analysis project. Built the original company website with a corporate identity design team.

ADDITIONAL EXPERIENCE

Samsung Electronics Super Rookie Membership — An invite-only program for students in STEM and Liberal Arts (2012-2013)
Startupweekend 2010 Seoul — Member of an organizing group for the event.
TEDxYouth Seoul 2010 — Gave a speech about global startup experience.