

Todd Oh

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SUMMARY

I'm a full-stack web developer with a bootstrapping mindset. I have experience across product development in startup industry.

The projects I have worked on over the years are connected with interface design, news aggregation algorithms, and geolocation. I gained expertise in production-level web development from launching a news assistant service at the University of Pennsylvania.

By utilizing my diverse experience, my goal is to contribute to integrate technology into our daily lives.

SKILLS

Javascript — jQuery/ES6, Handlebars.js, React.js, lit-html, Node.js (RESTful API), Webpack

HTML, CSS

Python 3 — Online Data

Aggregation, Natural Language Processing, Topic Modeling, K-Means Clustering, ML-Based Classifier, Flask(RESTful API)

Databases — MySQL, MongoDB

Server — AWS EC2/RDS

Design Tool — Sketch, Figma

Other — Git, Sentry.io, Mixpanel

Languages — Full proficiency in English and Korean, Localization

PORTFOLIO

Github repositories

<https://github.com/toddoh/>

Portfolio website

<https://toddoh.com>

Data Analysis Portfolio

<https://toddoh.com/thisisallabout/#whattrumpsaid>

EDUCATION

Yonsei University, Seoul, South Korea

B.S. Sociology, 2018

EXPERIENCE

Project Engineer, THISISALLABOUT

Oct 2017 – Present

The data-driven journalism project unravels complex issues and agendas by group, timeframe, and key topic using intelligent data analysis and great visualization. I developed a full set of website and back-end including the algorithm that examines a wide range of media in order to create a qualified look at important issues.

- Implemented natural text processing with Tf-Idf/HashingVectorizer/word2vec training, and K-Means clustering with MiniBatchKMeans for automatic daily news clustering.
- Implemented topic modeling of the tweets of key presidential candidates using Doc2bow corpus/LDA
- Built a lightweight front-end structure in Node.js.
- Designed and developed visualized contents to analyze President Trump's tweets and key stories in 2017.
- Built an in-house editing console and RESTful API endpoints with Node.js/ MongoDB.

- All source codes/clustering results published on Github:

<https://toddoh.com/#work>, <https://toddoh.com/thisisallabout/>

Founder, Toast Labs, LLC.

Apr 2015 – Jul 2017 | Palo Alto, CA

Founded a mobile application startup to create a unique experience in mobile for people's daily life. It successfully launched products including "#Newsrooms" which provided a solution for journalistic bias by utilizing token weight based news clustering algorithms. As a developer-founder, I lead core product development of the company.

- Built an adaptive low-power geofence engine on "Adventure" iOS application for tracking user location continuously in Objective-C.
 - Built a hybrid interface framework for multiple applications in Javascript.
 - Implemented a natural language processing algorithm using n-gram/tf-idf weight for news clustering back-end in Node.js.
 - Built a Node.js/MongoDB server running number of API endpoints for a news aggregation service "#Newsrooms".
 - Helped the marketing director to boost user interaction using Mixpanel data.
 - Designed graphical logos and user interfaces for multiple applications.
- Some source codes published on Github: <https://toddoh.com/#work>

ADDITIONAL EXPERIENCE

Samsung Electronics Super Rookie Membership — An invite-only program for students in STEM and Liberal Arts (2012-2013)

Ars Praxis — Semantic network analysis and data cleaning internship, company website development. (2011-2012)

Startupweekend 2010 Seoul — Member of organizing group for the event. (2010)

TEDxYouth Seoul 2010 — A speech about global startup experience (2010)