# Todd Oh

**email**: toddstonefieldoh@gmail.com | **phone**: 917-609-9314 | **website**: toddoh.com | **location**: Norwalk, CT

## 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), Streamlined compile via 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

## 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/word2doc training, and K-Means clustering with MiniBatchKMeans for automatic daily news clustering.
- 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: check 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: check 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 Praxia —** 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)