

# Ahn Heejong

**I fear little, challenge often, and learn fast.**

+82 10-6679-6756

heejongahn@gmail.com

<http://ahnheejong.name>

I have two main focuses as an engineer:

- » **Smoothly bridging the gap between code and design**
- » **Programming languages adopting practical and powerful type systems**

## Interests

- » Making beautiful and usable things with robust and readable code.
- » Building a challenging, open team where good people get even better.
- » Improving by cooperation, not competition; **open source spirit!**

## Education

### KAIST

2013 March - Present

Pursuing **B.A. at School Of Computing** (GPA Total 3.62/4.3, Major 3.79/4.3)

Currently on a break to do a alternative military service

### Gyeonggi Science High School

2010 March - 2013 February

A student president

# Experience

## Frontend Programmer, Hyperconnect

October 2017 - present

### Late 2017

- » **Implemented and refactored the layout** for *Azar Go* (currently only available in TW), the web version of *Azar*. Used Vue.js, TypeScript, and Webpack etc.
- » **Ported face-tracking sticker application feature** from *Azar* app, using WebGL.

## Programmer, Spoqa

January 2017 - September 2017

### Q1 (January 2017 - March 2017)

**Took charge of the frontend side** of the latest product, *Dodo Manager*.

- » **Implemented SPA from scratch** using modern web technologies such as React.js, Redux, Webpack and the latest ECMAScript features.
- » **Weaved responsive layout** which works well in various environments CEF, tablet, and web browser. The layout heavily relies on flexbox.

### Q2 (April 2017 - June 2017)

Integrated *Dodo Message*, a message-based marketing platform.

- » Implemented 'Message' part. The part includes **multi-step message writing wizard** and **simple dashboard for marketing result analysis**.
- » **Built challenging UI components** like a small text editor with auto input button, slide-based range selector and so on.

### Q3 (July 2017 - Present)

To officially launch the product, focused on making the app more robust.

- » **Migrated entire codebase** from Flow to TypeScript for higher productivity and stability.
- » **Setup automated e2e testing environment** using Selenium and Mocha.

For Q3, I also **took charge of organizing the project timeline** of the team.

# Skill

## Modern Web Frontend

**The borderline between code and design** is my main playground. I enjoy implementing both performance-wise and aesthetic-wise solid product.

### ECMAScript

- » Experience up to ES8; solid understanding of the core language
- » Static Type Checking TypeScript, Flow

### Functional approaches on UI

- » React.js + redux, react-router, ...
- » Vue.js + vuex, vue-router, ...
- » Elm

### Styling

- » CSS + css-module
- » CSS Preprocessor SASS, LESS, Stylus
- » PostCSS

### Graphics and Interaction

- » CSS transition / animation
- » Three.js
- » HTML5 Canvas & SVG

### Ecosystem

- » Webpack
- » Babel
- » Package manager npm, yarn
- » Coding convention prettier, eslint

### Miscellaneous

- » Static Site Generation Nuxt.js, Jekyll, Lektor
- » Google Analytics

# Programmers' Essentials

Though skills below are beyond my main interest, I have basic understanding on them as they're essential to any programmer.

- » **VCS:** Using git since 2014. My first command for any project is `git init`.
- » **Theoretical background:** Knowledge of widely used DS and basic algorithm.
- » **Server-side programming:** Python (Flask + SQLAlchemy), Node (express.js).
- » **Server Administration:** UNIX-like, CLI utils, AWS (EC2, S3, CloudFront, Route53).
- » **System programming:** Have implemented minimal assembler, OS (PintOS) during undergraduate curriculum.

## Functional Programming

I've learnt a lot from **the principles of functional programming**.

Whenever I confront interesting problems, this is my main toolbox to look at.

- » **Favor composition over inheritance.**
- » **Utilize the power of simple functions** like `map`, `reduce`, and `filter`.
- » **Control side effects;** Keep it referentially transparent whenever possible.
- » **Use ADT** to enable precise data encoding.

# Additional Information

## Links

When I leave trails on the web, I try to do so with my identity revealed.  
I believe this policy helps me stay responsible.

- » **Personal blog**      <https://hjlog.me>
- » **Github**            <https://github.com/heejongahn>
- » **Twitter**            <https://twitter.com/heejongahn>
- » **LinkedIn**          <https://linkedin.com/in/heejongahn>
- » **Slideshare**        <https://www.slideshare.net/HeeJongAhn/>
- » **Medium**            <https://medium.com/@heejongahn>

## Miscellaneous

Experiences which won't make me a superstar programmer yet I personally am proud of.

- » In Fall 2016, I organized and led **Haskell Programming Language Study** in KAIST, using UPENN's CIS194 class materials. A dozen of students participated throughout the semester.
- » In June 2015, I participated in The Rust Programming Book Korean translation project. About that time, I also made **my first open-source contribution**: documentation link fix to Rust repository.
- » In July 2014, I worked shortly at **the very first stage of a media startup**, Byline. Though I couldn't contribute much and forgot almost everything I've learnt, it sure was fun and valuable startup experience.