

ASHE HWANG

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[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

INTRO

I am a full stack developer, designer, artist, dentist, leader, problem solver, and risk taker - with a deep understanding of American/Asian/European culture, who also speaks four languages(English, Korean, Japanese and German).

SKILLS

JavaScript, React, Redux, HTML, CSS, Ruby, Python, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, Webpack, jQuery, Git, Heroku, jBuilder, D3 library, Photoshop, AWS, RSpec

PROJECTS

FUNCTIONBOOK (Ruby on Rails, JavaScript, React / Redux, PostgreSQL, AWS)

[live](#) | [github](#)

A social network web application inspired by Facebook

- Applied customised design leveraging CSS and modals for smooth UI; implemented modernism design approach for intuitive UX resulting in improvement of Facebook UX
- Connected Rails backend to AWS S3 for media storage for customized user profile page to upload pictures
- Optimized backend to reduce the number of (N+1) queries by grabbing associated user and comments data in one single AJAX call for posts resulting in minimized number of AJAX requests
- Implemented search feature to find matching names using Regular Expressions for users to find other people to either befriend or unfriend

BLOOM (JavaScript, MongoDB, Mongoose, Express.js, React / Redux)

[live](#) |

[github](#)

A beautiful todo app focused on positive reinforcement

- Suggested and implemented a visual rewards system leveraging Laborit's law for users to enhance their habit - each task completion drops assigned JS-canvas generated petals to a jar that you can redeem for an activity
- Streamlined a flexible UX/UI that is functional and esthetic in both web and mobile by incorporating CSS3 Flexbox
- Developed React-Redux container and Redux selector patterns to manage a unidirectional front-end state to architect a highly scalable app
- Created and animated front page using wacom tablet and photoshop to produce a memorable first impression

DRY WORLD (Javascript, D3, CSS)

[live](#) | [github](#)

Data visualization of each country's water risk to warn the current state and implement concrete actions to facilitate better choices

- Integrated Webpack and Babel to guarantee uniform user experience across different web browsers
- Imported customized tsv/csv for D3 library to render a world map based on scalable color scheme reflecting WRI data
- Dynamically renders different bar graphs and pie charts utilizing D3

EXPERIENCE

Dentist

Pacific Dental Services

March 2014 - March 2015

- Collaborated with multiple doctors for treating complex cases that require coordination of various specialties
- Communicate, diagnose, and treat patients for oral disease

Managing Dentist

Western Dental Services

March 2015 - April 2018

- Promoted to Managing Dentist in 4 months of hire
- Oversaw the operation of \$1.8 million office in charge of P&L sheets converting the office from 2% loss to 15% profitability

- Orchestrated a team of 5 doctors and 10+ front/back office staff for smooth workflow and heightened morale resulting in highest number of years in staff retention
- Mentored and trained newly hired associate doctors on proper diagnosis, treatment, and communication

Dentist

7 to 7 Dental and Orthodontics

April 2018 - August 2019

- Produced over \$110k+ each month, achieved top producing doctor in the office
- Demonstrated constant 5 star patient satisfaction with most number of referrals while handling a high patient volume of 15+ a day

Dentist

Premier Dental Partners

December 2019 - March 2020

- Mentored and oversaw UCSF dental school students for off-campus rotation
- Sole dentist overlooking all aspects of dentistry including orthodontics, oral surgery and endodontics

EDUCATION

Web Development - App Academy

April - July 2020

Immersive and selective software development course with a focus on full-stack web development; less than 3% acceptance rate.

Entailed 1000+ hours of coding over 16 weeks.

DDS Education - NYU College of Dentistry

2009 - 2013

BA Education - New York University, Biology

2006 - 2009

- *Summa Cum Laude, 4.0 GPA*
- *Dean's List*
- *George Schwarz Award for Biology*

OTHER

Languages Spoken

- *English, Korean*
- *German, Japanese*