

# Daniel Sung

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## Education

University of  
California, San Diego  
Computer Science B.S.  
2017

## Languages

JavaScript - ES6  
HTML/CSS  
Java  
Python  
Swift  
C/C++

## Tools

### Front-End

ReactJS  
Redux  
AngularJS  
jQuery  
Bootstrap  
Material-UI  
Sass

### Back-End

Node  
Express  
MySQL  
MongoDB  
Mongoose

### Tools

npm  
Webpack  
Git  
Unix  
RESTful APIs

## Coursework

Algorithms  
Data Structures  
Software Engineering  
UX Design  
Web Client Languages  
iOS Development by CodePath  
Databases

## Experience

### Playstation

May 2018 - August 2018

*Front-End Engineer Intern*

- Rebuilt existing AngularJS Sandbox web app using React, Bootstrap 4 and Webpack.
- Improved UI and layout of web app for simplicity and ease of use.
- Implemented video player timeout configurations to open source project HLS.js.
- Refactored code to be more DRY, responsive and extensible.

### Naver Webtoons

February 2018 - May 2018

*Full Stack Developer - Analytics*

- Implemented and maintained 15+ daily scheduled Spring batch (Java) processes to refine millions of rows of raw log data into insightful data values (Unique readership, reader retention, growth).
- Optimized batch process runtimes by taking advantage of data structure, manipulation in memory, database insertion techniques and joining existing tables.
- Visualized data using graphs and editable spreadsheets using Hands On Table and HighCharts libraries.
- Improved performance of SQL queries (Hibernate) through database schema design, use of indexes, reducing joins and using subqueries.

### SD Supercomputer Center

March 2017 - June 2017

*Web App Developer, Research Assistant*

- Designed and coded web app/game to crowdsource data on trace routes and quality of experience.
- Implemented interactive map that plotted points and internet routes from database collections, using AngularJS and Ammap API.
- Developed front-end functions such as game functionality, walkthrough tutorial and admin dashboards using Blaze.
- Coded backend functions, such as user accounts, database security, admin functionality, location generation using Meteor and mongoDB.

## Projects

### Jobs Dashboard

*Node, Express, React, Redux, Mongoose, Material-UI, Sass, Webpack*

- Built RESTful API using Express routes, middleware and tested with Mocha/Chai
- Built CRUD web app using component/container and actions/reducers structure with Redux
- Designed and implemented modal, grid and forms components using React and Material-UI
- Styled front-end layout using CSS grids and flex-box

### UCSD Basketball iOS App

[dssung.github.io/UCSD\\_Basketball](https://dssung.github.io/UCSD_Basketball)

*Objective - C, xCode*

- Designed and created view controllers for news, schedule, box scores, roster, player stats/profile, standings and team stats for both men and women teams.
- Created parser to scrape player and team stats from UCSD Athletics site's HTML table.
- Obtained links to schedule, scores and news through UCSD Athletics' RSS feed.
- Deployed to app store in collaboration with UCSD Athletics Department