

# William Ha

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A blue square logo containing the letters 'Wh' in a white, sans-serif font.

## Technical Skills

Front-end: JavaScript (ES6), HTML5, CSS3, React, Redux, Bootstrap, Semantic UI  
Back-end: Node.js, Express, MongoDB, Mongoose, MySQL, PostgreSQL, Sequelize  
Testing: Mocha, Chai, Jest, Travis CI  
Developing: Git, Webpack, Babel, TDD, Docker

## Software Engineering Applications

**PlanCake** | PostgreSQL, Sequelize, Express, React, Redux, Node.js, Socket.io

plancake.co

*Centralized application to collaborate with others for all of your event planning needs*

- Deployed to Docker environment with AWS RDS and responsible for integrating changes to code
- Leveraged PostgreSQL database for fast data retrieval using custom joined tables
- Utilized React Router to handle seamless transitions and provide separation of data and presentation
- Improved application performance and test coverage by implementing Redux appropriately

**PicWorthy** | MongoDB, Express, React, Node.js

picworthy.herokuapp.com

*An application to share and find pictures of notable locations around you*

- Optimized application performance by offloading image management to Imgur API
- Integrated Google Maps API with MongoDB to utilize geospatial queries for key component of app
- Designed comprehensive schema that optimized ability to scale database with additional features

**CodeFightClub** | MongoDB, Express, React, Node.js, Socket.io

*Complete coding challenges against others in real time*

- Refactored open-source codebase using Socket.io to support multiplayer competition and messaging
- Designed complex database schema to track and index multiple users' data
- Expanded gameplay opportunity by developing functionality for user-generated content

## Previous Experience

**Pilipino Cultural Night** | Logistics Coordinator

2012 - 2015

*Pilipino Cultural Night is a production with over 100 cast members collaborating over the course of a year*

- Directed departments including finance and marketing and managed other logistical details
- Increased event attendance and community engagement each year by introducing new procedures and building cast member motivation and team morale

## Education

Hack Reactor, *Advanced Software Engineering Immersive Program*

2018

UC Santa Barbara, *B.A. in Sociology*

2016

UC Santa Barbara, *Technology Management Certificate*

2016

## Personal

I enjoy discovering new things, whether it's by making new connections, exploring the world, or simply finding appreciation for the everyday details through photography