

# Nicholas Wang

Software Engineer | San Francisco, California | (626) 560-4852

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## Technical Skills

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**Strong:** JavaScript (ES6), HTML, Angular, React, Express, Node, MongoDB, Git, Mongoose, MySQL

**Experienced:** CSS, SASS, jQuery, Webpack, Grunt, DigitalOcean, MobX, Bookshelf, Sequelize, Flexbox

## Software Engineering Projects

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### Vinisa Product Owner, Software Engineer

*Language learning application centered around user generated/crowdsourced content*

- Architected infrastructure with MobX to keep parameters passed to APIs consistent between components
- Utilized Google APIs to implement image recognition and label translation for an interactive experience
- Integrated SSL into existing domain name to encrypt user information and vastly improve security
- Designed UI to include textual feedback and loading indicators to provide an intuitive user experience

### PlanThis Software Engineer

*Event planning application for groups to organize get-togethers*

- Refactored an inherited codebase with Webpack to allow seamless implementation of new features
- Constructed new components for a previously sparse page using React for a more informative details page
- Overhauled mySQL database to enable support of different categories of users and user-associated events

### TubeNotes Software Engineer

*YouTube note taking application for organizing thoughts on a long video*

- Designed schemas and database using mySQL and Sequelize for simplicity of table creation and data queries
- Assembled back-end using Node/Express for streamlining multiple API calls with to non-blocking I/O
- Integrated YouTube iFrame API to fetch video data otherwise not accessible with normal YouTube APIs

### Pseudonym Software Engineer

*Random name and album cover generator*

- Created a single page application with Angular for its prototyping advantages to fit heavy time constraints
- Connected front-end application to a Mongo database for ease of querying non-relational data

## Professional Experience

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### Han Realty Marketing Consultant/Transactions Coordinator

2010-2015

- Proposed marketing ideas that led to a 50% increase in customer traffic
- Oversaw sales of multimillion dollar houses and commercial buildings

### First Avenue Education Inc. Lead Tutor

2009-2010

- Taught elementary and middle school children mathematics, English, and Chinese
- Created lesson plans and lead lessons for children from kindergarten to 8th grade

## Education

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### Hack Reactor Advanced Software Engineering Immersive Program

2017

### University of California, San Diego BS in Biology, Minor in Computer Science

- Relevant coursework: Advanced Data Structures, Algorithms/Systems Analysis, Discrete Mathematics, Computer Organization and Systems Programming

2016