

San Francisco Bay Area
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Jonathan Young Kim

Software Engineer

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Technical Skills

Front-end: Javascript, HTML5, CSS, JQuery, React, MVC Frameworks, D3, C3

Back-end: Node.js, Express, Sequelize, MongoDB, Mongoose, MySQL, SQL, Socket.io, PostgreSQL, Stream

Tools/Workflow: Git, Github, Agile, Trello, JSDocs, AWS, Heroku, npm, Yarn, Postman

Awards

Volume IQ | \$2000 Third Place Winner of The Smart Building Challenge Award | [Kone Smart Building Hackathon](#)

A Raspberry Pi-sized solution to the everyday pain of elevators stopping unnecessarily when they're at full spatial capacity.

Offer Overflow | Winner of the Mobile-Tech Global Hackathon | [Mobile Tech Hackathon](#)

Won in the EdTech category with Symbolic Gestures' core product.

Doppled | Winner of the "Most Likely to Go Viral" \$100 Award | [Amazon's Lightsail Hackathon](#)

A fun tool for discovering user's celebrity doppelganger using Amazon's machine learning platform.

Projects

Offer Overflow | Job Applications Management System for Software Engineers | [Offeroverflow.me](#)

Full Stack Software Engineer

- Implemented RESTful API with **Node** and **Express** for efficient and scalable data flow
- Created extensible components in a **React** framework to enhance rendering speed.
- Enabled a real-time social feed with **Stream** for reduced latency and a smooth social experience
- Managed multiple backend systems, **PostgreSQL**, **Redis**, and **Stream**, to meet specific technical requirements

Tweetrics | Data Analysis and Visualization of Twitter User's Tweets | [Tweetrics.herokuapp.com](#)

Back-end Software Engineer & DevOps specialist

- Created data analysis engine to evaluate sentiment of tweets using **Google's Machine Learning** platform
- Generated interactive data visualization of tweets to increase understandability of data with **D3**
- Optimized pageview load time by persisting pre-processed analytics results in **MongoDB**
- Enabled and managed continuous deployment using **Heroku pipelines**

Avalon Online Game | Multiplayer Web Version of Resistance: Avalon Card Game | [Avalo.herokuapp.com](#)

Front-End Software Engineer

- Created beautiful, dynamic board rendering to enhance gameplay experience using **React JSX/CSS**
 - Implemented real-time online voting systems for smooth gameplay using **Socket.io** and **React**
 - Architected database for future 'save game' functionality with **MySQL**
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Education

Hack Reactor, Advanced Software Engineering Immersive Program

2017

Reach Institute, California Teaching Credential

2015

Reed College, B.A. Psychology

2011

Additional Experience

Rocketship Alma (Santa Clara County Charter School) - 4th Grade Teacher

2015-2017

- Highest performant teacher in my school based on the **NWEA Measures of Academic Progress®**. My students achieved an average of 1.75 years of growth within a school year.
- Lesson planning lead for 4th grade math plans at our school for 1 year