

# Matthew HJ Jang

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## Education

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### University of California, Berkeley

August 2014 – December 2018

#### College of Letters & Science

*Bachelor of Arts (B.A), Cognitive Science & Computational Modeling*

### App Academy, San Francisco

March 2019 – June 2019

*Full-stack Software Development*

**Coursework:** Data Structures, Artificial Intelligence, Discrete Mathematics, Multivariable Calculus, Linear Algebra

**Proficient Skills:** JavaScript, React, Redux, Ruby on Rails, SQL, HTML/CSS, Git, AWS, Heroku, Sketch, UI/UX

**Intermediate Skills:** Python, Java, MongoDB, Express.js, Node.js, Webpack, RSpec, Jest, Adobe CC

## Professional Experience

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### Geekbears

January 2018 – May 2018

*UX/UI Developer & Consultant Internship*

San Francisco, CA

- Helped entrepreneurs around the globe develop cutting-edge apps and websites [Live Site](#)
- Created appropriate user experiences and solid interface for clients' products via Design Thinking
- Received constructive feedback from clients, and applied to iterations and A/B testing
- Used Sketch and Zeplin for design iterations, and JavaScript/HTML/CSS for front-end development

### Qubit Security

January 2017 – May 2017

*Software Engineering Internship*

Seoul, South Korea

- Improved real-time anti-hacking cloud detection via Plura.io to 6 seconds [Live Site](#)
- Led an analysis team of ten people in investigating Apache Spark's machine learning library (MLlib)
- Investigated a malware pattern-matching tool called YARA to detect common SQL injection and Ransomware signatures

## Projects

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### Shuttr

[Live Site](#) | [GitHub](#)

*Find your inspiration: full-stack Flickr clone // React / Redux, Ruby on Rails, PostgreSQL, AWS*

- Created an intuitive interface using Rails and React components to provide a seamless website for sharing photos
- Constructed templates via React component architecture, enabling efficient development of intuitive user session forms and secure user authentication

### TimeSpare

[Live Site](#) | [GitHub](#)

*Employment-oriented network service // MongoDB, Express.js, React.js, Node.js*

- Created an intuitive interface using the MERN stack that helps users find and offer temporary job openings in their local areas
- Constructed custom modal templates for user forms, and calendar API for bookings via React component architecture
- Incorporated the Axios.js library to make HTTP requests from Node.js

### Dungeon Escape

[Live Site](#) | [GitHub](#)

*Escape from the dungeon // Vanilla JavaScript, Web Audio API, HTML5 Canvas*

- Recreated a classic retro game experience through a smooth rendering of HTML5 canvas
- Utilized a random-walk algorithm that indefinitely moves objects around until collision detection
- Designed global on-off buttons for Web Audio API through the JavaScript DOM EventListener