

Matthew HJ Jang

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Education

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, Adobe CC

Professional Experience

Geekbears

January 2018 – May 2018

UX/UI Developer & Consultant Internship

Berkeley, CA

[Live Site](#)

- Helped entrepreneurs around the globe develop cutting-edge apps and websites
- Created appropriate user experiences and solid interface for clients' products
- Received constructive feedback from clients, and applied to iterations
- 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

[Live Site](#)

- Investigated a malware pattern-matching tool called YARA to detect common SQL injection and Ransomware signatures
- Led the analysis team in implementing Apache Spark's machine learning library (MLlib)
- Improved real-time anti-hacking cloud detection to 6 seconds

Projects

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

- Smooth rendering of HTML5 canvas to recreate a classic retro game experience
- Utilize 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