

Matthew HJ Jang

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Education

University of California, Berkeley

September 2014 – December 2018

College of Letters & Science

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

Coursework:

- CS61A: The Structure and Interpretation of Computer Programs
- CS61B: Data Structures
- CS 188: Introduction to Artificial Intelligence
- CS 70: Discrete Mathematics and Probability Theory
- Math 53: Multivariable Calculus
- Math 54: Linear Algebra and Differential Equations
- Physics 7A: Mechanics
- Physics 7B: Thermodynamics
- Civil Engineering Materials
- Engineering Geology
- Brain, Mind, and Behavior

App Academy, SF

March 2019 – June 2019

Software Development School

Immersive software development school with focus on full stack web development

Relevant Skills: JavaScript, React / Redux, Ruby on Rails, SQL, Python, HTML, CSS, jQuery, Git, Heroku, Webpack, Jest, RSpec, Capybara, Adobe CC, Sketch, InVision, Zeplin, UX, UI, MATLAB, Adobe Maya

Professional Experience

Geekbears

January 2018 – May 2018

UX/UI Designer & Consultant

Berkeley, CA

- Helped entrepreneurs around the globe develop innovative apps and websites
- Created appropriate user experiences and solid interface for clients' products
- Received constructive feedback from clients, and applied to iterations
- Always have a user-centric mindset to want what the clients and business want

Qubit Security

January 2017 – May 2017

Information Security Analyst Internship

Seoul, South Korea

- 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

- Threaded React properties between backend and frontend components to provide a seamless simulation from uploading to commenting on photos
- Constructed templates via React component architecture, enabling efficient development of intuitive user session forms and secure user authentication

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

Ants vs. SomeBees

[GitHub](#)

Tower defense game || Python, OOP

- Combines functional and object-oriented programming paradigms to construct a tower defense game
- Incorporates the understanding, extending, and testing of a large program