# DANIEL YEE
Software Engineer

San Francisco, CA        650-773-6770        danjamesyee@gmail.com        Portfolio        LinkedIn        Github

## SKILLS
JavaScript, React, Redux, HTML, CSS, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, Webpack, jQuery, Git, Heroku, Test-Driven Development(TDD), Object Oriented Programming(OOP), Amazon Web Services(AWS), RSpec, Capybara

## PROJECTS
**Dim Cooking**  *(React/Redux, Rails 5, AWS S3, Heroku)*                                    **live** | **github**
*A Dim Sum recipe discussion site inspired by NYT Cooking*
- Leveraged conditional rendering in React.js to create CRUD comment feature, allowing for interactive UX
- Created carousel by applying knowledge of React and CSS, elevating users' ability to dynamically view and choose recipes
- Built custom user authentication, employing the bcrypt Rails gem to hash user's passwords, ensuring the security of the user authentication system

**Blox Beats**  *(React/Redux, MongoDB, Express, Node.js, Tone.js, React-beautiful-dnd)*          **live** | **github**
*A music production app for total beginners*
- Efficiently delegated tasks to a team of three engineers, coordinating and designing both back-end with MongoDB and the front-end in React/Redux, resulting in successfully meeting a 7 day deadline
- Overcame the asynchronous nature of Javascript by employing self-written sleep function, providing the ability to play and replay musical tracks
- Integrated the React beautiful dnd library with React component/CSS to allow for intuitive UI and UX during musical track creation
- Adapted the Tone.js sound framework to permit the saving of musical tracks on the Mongo database and to replay on the frontend

**Our Planet's Air**  *(Javascript, D3.js, Node.js)*                                        **live** | **github**
*An interactive map visualising pollution in major world cities*
- Utilized d3.js' json parser in conjunction with data drawn from a csv file to retrieve real time pollution data from the WAQI API, displaying clear, legible, integrated data for each user.
- Solved the API restriction problem only allowing one API call at a time using an iterative solution, saving each call's data in an array of Promises, enabling users to see data for multiple cities instead
- Employed D3.js' transform/translate function to enable mouse-following tooltips, greatly enhancing user experience

## EXPERIENCE
**Education Developer**
*Peace Corps Kyrgyz Republic*                                                      Aug 2017 - Dec 2019
- Maintained and set up two desktop Dell computers, wifi system, and printer for the school allowing teachers to more efficiently research and lesson plan.
- Organized and implemented a technology education program for 25 rural teachers, resulting in a 24% increase in student interest
- Supervised an irrigation project, writing the grant personally and then overseeing the physical construction, bringing a new source of water for 80% of the residents of Kok Kyia
- Facilitated Strong Women's Kerben seminar where 100 students displayed on average a 20% increase in the awareness of women's rights, based on pre/post tests taken before and after the seminar
- Established a trusting relationships through repeated collaboration with the same local teachers and government officials,  resulting in 4 separate successful small grants projects

Intern

*MakeGamesWithUs(now MakeSchool)*                                                                      June 2012 - Sep 2012

- Designed and implemented an incomplete choose-your-own adventure game in Objective-C, learning a lot about mobile development and self-learning along the way

## EDUCATION

University of California, Irvine - *BA Anthropology* 2014

AppAcademy - *Highly selective program computer science program teaching software engineering.* 2020