

# MICHELLE HUANG

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[PORTFOLIO](#)

[GITHUB](#)

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## SKILLS

JavaScript, React, Redux, Ruby, Ruby on Rails, HTML, CSS, SQL, SQLite3, PostgreSQL, Mongoose, MongoDB, Express.js, Node.js, jQuery, Webpack, Heroku, Git, Tableau

## PROJECTS

**INSTACAM** (React.js / Redux, JavaScript (ES6), Ruby, Rails 5, AJAX, jBuilder, PostgreSQL, HTML5, CSS3, AWS S3) [live](#) | [github](#)

*A clone of Instagram where users can publicly share photos that can be liked by, commented on, and viewed by other users*

- Implemented custom back and front end user authentication by combining Rails conventions, Active Record, and customized React-Router higher order components to ensure user privacy and autonomy
- Managed posts CRUD through custom database operations using Active Record, PostgreSQL, and RESTful routes
- Leveraged Active Record associations to extract related data with a single query and avoid superfluous routes to improve overall performance and efficiency
- Designed a search algorithm that is responsive to and based upon the characters of the search query to display the corresponding users within the database
- Integrated Rails ActiveStorage with AWS S3 to implement post image uploads, reducing server load and allowing for scalability of image services, all while maintaining content security with AWS IAM
- Leveraged CSS keyframe animations, pseudo-elements, and pseudo-classes to achieve a variety of visually compelling effects identical to that of Instagram's

**CODEUPS** (React.js / Redux, MongoDB, Express.js, Node.js, HTML5, CSS3)

[live](#) | [github](#)

*A code-mentorship platform where students and tutors can connect with one another in a dedicated, code-driven setting*

- Spearheaded site's design direction and ideated site's overall layout and color palette as team's Design Lead for better user experience and interface
- Collaborated with team of 4 engineers to build CRUD functionalities for reviews, student/tutor profiles, and user-auth by utilizing the MERN stack and efficient git and pull request workflow to minimize probability of merge conflicts
- Configured initial AWS S3 integration with MongoDB to ensure for seamless retrieval and presentation of images and videos

**COVID-19 WORLD DATA VISUALIZATION MAP** (JavaScript, Chart.js, Three.js, HTML5, CSS3)

[live](#) | [github](#)

*An interactive data visualization of COVID-19 cases from 2020-2021*

- Built a responsive 3D globe by employing the Three.js library and raycasting for mouse picking to improve UX and UI
- Integrated the Chart.js library and leveraged DOM manipulation to dynamically graph line charts representing the general trend of COVID cases for 300+ countries
- Implemented an asynchronous/await function utilizing the web fetch API call to load and manually parse global CSV data

## EXPERIENCE

### INFLUENCER MARKETING INTERN

*Wish*

Dec 2020 - Aug 2021

- Launched Valentine's Day influencer campaign which garnered \$10k+ GMV and \$25k EMV: sourced and owned relationships with 20+ social media influencers, tracked and analyzed links and promo code data within Tableau
- Managed Instagram for subsidiary clothing brand, curating 50+ grid posts and stories per month, increasing following by 20% within 3 weeks of initial launch

### TAX INTERN

*Ernst & Young*

Jun 2019 - Aug 2019

- Led 20 interns for a volunteer service at a Boys & Girls Club in SF and assisted in planning, overseeing, and delegating responsibilities
- Prospected 1000+ individuals for client to help reduce state tax, filed returns, 1065 forms, audits and provisions

## EDUCATION

**App Academy** - 1000-hour immersive full-stack web development intensive with < 3% acceptance rate | Oct 2021 - Feb 2022

**University of California, Berkeley** - Bachelor of Arts - Psychology | Aug 2016 - May 2020