

# Ricky Ho

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## EDUCATION

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### University of California, Los Angeles

Sept. 2016 - June 2020

Bachelor of Science in Mathematics & Computer Science

- Coursework: Data Structures & Algorithms, Computer Organization, Software Construction Lab, Computer Graphics, Algorithms in Bioinformatics, Computational Methods in Medical Imaging

## SKILLS

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**Languages:** JavaScript (ES6), HTML, CSS/SCSS, Python

**Libraries & Frameworks:** React, Gatsby, Express, Mongoose

**Tools & Technologies:** Node.js, MongoDB, Git, Figma, Netlify, Heroku, LucidCharts

## PROJECTS

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### Omomo Tea Shoppe Clone – [Live](#) | [Github](#)

Full-stack ecommerce web application where users can browse and shop for boba milk tea

- Optimized and reduced image file sizes by over 60% by using the Cloudinary CDN, reducing overall page load times by 25% - 35%
- Integrated Stripe to securely handle and process credit card payment information
- Implemented shopping cart state management using React Context and Reducer hooks
- Technologies used: React, JavaScript, Stripe, Node.js/Express, MongoDB, Cloudinary

### React Stock Search – [Live](#) | [Github](#)

Frontend web application where users can search for and view the latest stock market information

- Designed the application interface to display all of the market data gathered from the IEXCloud API
- Utilized ApexCharts.js to create a price movement chart to visualize the volatility of a stock
- Technologies used: React, JavaScript, IEXCloud API, ApexCharts.js

### COVID-19 Statistics – [Live](#) | [Github](#)

Frontend web application presenting the current global COVID-19 statistics including cases, deaths, & vaccines

- Implemented filtering and sorting of country data to customize search results and enhance user experience
- Created timeline graphs using Recharts.js to visualize the historical COVID-19 statistics and data trends
- Technologies used: React, JavaScript, SCSS, Recharts.js

## EXTRACURRICULARS

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### Club President - UCLA ACA Lion Dance

Sept. 2019 - Jun. 2020

- Raised \$5000 by coordinating with clientele to organize and host performances throughout Los Angeles
- Improved member retention rate by over 50% by revamping the club organizational structure and working with team members 1-on-1 or in small groups to examine and improve performance
- Managed club activities, roles & responsibilities, finances, and inventory to ensure orderly operations
- Hosted weekly meetings and workshops to discuss logistics and goals in preparation for performances