

# Kyung Mo (Calvin) Koo

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[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

## EDUCATION

**Claremont McKenna College** - Bachelor of Arts in Economics and Asian Studies | Sep 2018 - Dec 2022

**App Academy** - Fullstack Software Engineering | May 2022 - September 2022

## PROJECTS

**Tee Times** (MongoDB, Express.js, React/Redux, Node.js, JavaScript, SCSS, HTML, Mongoose, AWS)

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

*A platform where users can find and build local groups to get together for a round of golf.*

- Developed a lightweight user interface using React and Redux that allows users to create groups and find groups to golf with while also allowing for groups to create/find events
- Created mock-ups and prototypes using Figma of all front-end related React/Redux components and led efforts to convert wireframes into functional React components
- Incorporated a custom search function built using JavaScript that allowed users to lookup other users on the app when creating groups

**Kooflix** (Rails, React/Redux, AWS, HTML, SCSS, HTML, PostgreSQL, Ruby, JavaScript)

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

*A clone of Netflix where users can create profiles to share their account with other users and find their favorite movies to watch.*

- Implemented custom user authentication process with error handling using BCrypt to protect users' login information and preventing users from accessing protected routes
- Used a custom Redux cycle to connect users with select profiles and used a bootstrapping process to preserve profiles upon refresh
- Integrated AWS with ActiveStorage in order to minimize application space requirements by storing media in the cloud
- Incorporated a custom search function that queried the database on each keystroke and displayed video titles based on the search input to create an effortless and intuitive search functionality

**Velo Launch** (VanillaJS, D3.js, HTML, CSS)

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

*A data visualization created using the D3 library to help demystify the popular launch angle debate in baseball.*

- Learned and implemented the D3 library in a one-week timeframe to create an interactive scatterplot using data pulled from MLB Statcast visualizing hit data across multiple seasons for multiple active players in the MLB
- Implemented various features within the D3 library (zoom, grouping, tooltips) to add interactivity and allow users to further explore each data point
- Implemented a custom scroll bar using CSS and utilized the Interaction Observer API to improve user experience and navigation

## EXPERIENCE

### Summer Associate

*AlphaSights*

Jun 2021 - Aug 2021

- Supported B2B market research projects for various Private Equity/Venture Capital clients by performing market analysis on various industries resulting in a 55% YOY growth in Q2 of 2021
- Synthesized key market insights and information into deliverables from clients setting a monthly record pace for client deliverables resulting in 152% revenue growth for the firm

### Venture Capital Intern

*JUMP Investors*

May 2020 - Aug 2020

- Completed due diligence on potential investors and portfolio companies with market caps ranging from \$41M to \$60B
- Formulated 6 business development projects to increase revenue, create marketing strategies, and source suppliers resulting in 2 successful partnerships for portfolio companies

**SKILLS** React, Redux, Ruby, Rails, Javascript, jQuery, Python, HTML, CSS, SQL, Git, Figma