Kyung Mo (Calvin) Koo

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EDUCATION

Claremont McKenna College - *Bachelor of Arts in Economics and Asian Studies | 2018-2023*
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
- Create mock-ups and prototypes using Figma of all front-end related React/Redux components and led efforts to convert wireframes into functional React components
- Implemented and incorporated a custom search function 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
- Deployed Rails polymorphic associations to connect profiles with users and liked media to produce DRY and scalable code
- 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 implemented 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
- Synthesized key market insights and information into deliverables from clients setting a monthly record pace for client deliverables *{insert data from my notes here}*

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