

Rafael Singer

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Education

Boston College – Morrissey College of Arts and Sciences Expected Graduation: May 2025
Bachelor of Science in Computer Science GPA: 3.90/4.00

- **Major:** Computer Science
- **Relevant Coursework:** Computer Science I, Computer Networks, Calculus II,
- **Honors:** 2x Dean's List First Honor, 2x Bowman Scholar

Projects

Skipper August 2022 – Present
Creator

- Web app in development that allows users to view their spending, create budgets, and earn savings
- Utilized the Plaid API to connect to user's financial institutions and safely retrieve data
- Front-end built using Next.js, Tailwind.css, TypeScript, and React
- Implemented user form validation through Formik and Yup
- Used MongoDB and Mongoose for database integration, Firebase for user authentication, and the Next.js backend API
- Designed UI/UX and app flow/structure on Figma

Review Blog - rafaelsinger.com/reviews June 2022 – July 2022
Creator

- Custom-built review website for movies, music, TV, and books
- Delivered content through Hygraph, GraphQL, and Node.js
- Front-end was built with React, Sass, and Typescript, designed on Figma

Grader Days - graderdays.com May 2022 – July 2022
Creator

- Web app that allows people to see the progression of their days over time
- Built front-end with React, CSS, and JavaScript
- Back-end was built using Node.js and Firebase for authentication and Firestore as a database

Covid Map - covid-map.com April 2022 – May 2022
Creator

- Created custom map of the United States displaying various Covid data, including total cases, deaths, and vaccination rates
- Utilized CDC APIs with Node.js to fetch JSON data to display on the map
- Generated map using React Leaflet and GeoJSON data
- Styled the rest of the website using React, HTML, and CSS

Skills

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- **JavaScript** - React, Node.js, Next.js, TypeScript
 - **HTML/CSS** - Bootstrap, Sass, Tailwind.css, Pug
 - **Python** - Flask
 - **SQL** - PostgreSQL, SQLAlchemy, SQLite
 - **No SQL DBs** - MongoDB, Mongoose, Firestore
 - **REST APIs**