

Ray Sy

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Experience

American Express | Software Engineer

Jan 2021 - Present

<https://americanexpress.com>

New York, NY

Developed site/infrastructure related features and enhancements as a full stack engineer on Amex's GCS Commercial team using React, Redux, and GraphQL - making a combined impact of several hundred million dollars annually.

- Conducted several successful A/B tests, including: building out a new mobile horizontal carousel with an estimated annual incremental revenue of \$150M.
- Spearheaded site wide accessibility enhancements by organizing a list of outstanding violations while working closely with PMs and developers to reduce the number of issues by over 95%.
- Created and promoted an internal Chrome extension to automate syncing authentication cookies between local and test environments - improving developer experience and cutting workflow times by 90%.

American Express | Software Engineering Intern

Jun 2020 - Aug 2020

<https://americanexpress.com>

New York, NY

Created Experience Builder - a tool that empowers non-engineers to generate production ready UI variations for consumer facing sites.

- Designed a "composer" interface using React.js featuring an interactive canvas, sortable layer tree, and widget palette, making it easy to create components compliant with standardized design guidelines.
- Initiated and implemented a practical code generation feature which produced import information and JSX for any visual composition.
- Engineered a persistence and versioning system that allowed multiple users to collaborate concurrently on a composition using PostgreSQL and Express.js.

Heat.wav | Technical Co-Founder

Aug 2018 - Present

<https://heatwav.co>

New York, NY

Led technical development of a location-based music & artist discovery platform undergoing beta-testing that placed in the quarter finals at NYU Innovention, and semi finals at RU Innovators.

- Designed and architected Heat.wav's tech stack to fit current and anticipated product needs while setting technical standards to ensure a maintainable codebase.
- Collaborated closely with our designer, product manager, and co-developers to effectively translate and delegate feature requests and wireframes into detailed objectives using Asana, Slack and Invision.

Projects

Project C.R.A.L. | Author

<https://github.com/fireteam99/cral-cli>

Created an open source CLI published on NPM that automates course registration for Rutgers University using Node.js & Puppeteer.

Education

Rutgers University, New Brunswick, NJ

Sep 2017 - Dec 2020

Bachelor of Science - Computer Science

GPA: 3.74

Skills

Languages: Javascript, Python, Java, C, Dart, SQL, Shell, HTML, CSS

Frameworks/Tools: React, Flutter, Express, Flask, Sklearn, Sketch, Invision

Technologies: Firebase, MongoDB, PostgreSQL, Heroku, Docker, Redis, Git