Ray Sy, Software Engineer

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https://raysy.dev | East Brunswick, New Jersey, US

Github: https://github.com/fireteam99   LinkedIn: https://www.linkedin.com/in/ray-sy/

Skills

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

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

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

Education

Rutgers University, New Brunswick, NJ   Sep 2017 - Dec 202
Bachelor of Science - Computer Science

- Design & Analysis of Algorithms
- Discrete Structures I & II
- Computer Architecture
- Brain-Insp Compututing
- Prin Info & Data Mgt
- Computer Security

Experience

American Express | Software Engineer

Jan 2021 - Prese

https://americanexpress.comNew York, NY

- Core contributor to site/infrastructure related features/enhancements as a full stack engineer on AMEX's GCS Commercial team using React, Redux, and GraphQL. Examples include: SEO optimizations to all "Small Business" pages, and a major refresh for the Platinum credit card, having an estimated combined impact of $369M BBA incremental, annually.
- Conducted several successful A/B tests, including: building out a new mobile horizontal carousel which had an estimated annual incremental BBA of $150M.
- Spearheaded WCAG (accessibility) compliance efforts on our site by organizing a list of outstanding violations while working closely with PMs and developers to reduce the number of issues by more than 83%.
- Created and promoted an internal Chrome extension to automate syncing authentication cookies between local and test environments - improving developer experience and saving hours of wasted time.

American Express | Software Engineering Intern

Jun 2020 - Aug 202

https://americanexpress.comNew 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.
- Took initiative to implement 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 - Prese

https://heatwav.coNew York, NY

- Leading 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 request and wireframes into detailed objectives using Asana, Slack and Storybook.

Projects

Project C.R.A.L. | Author, Contributor
https://github.com/fireteam99/cral-cli

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

- Utilized Commander.js and Inquirer.js to build an attractive, user-friendly UI featuring live notifications with node-notifier.