Jason Wu

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EDUCATION
Yale University: B.S. in Computer Science (2022)
Select Courses: Artificial Intelligence, Data Structures & Algorithms, Systems Programming & Computer Organization, Digital Systems, Databases, Object-Oriented Programming, Software Engineering, Discrete Mathematics

WORK EXPERIENCE
Software Engineer (Full Stack) - Atom Finance (atom.finance) New York, NY 2021/09 - 2022/05
Worked on market, stock, and crypto API products. Implemented advanced charting visualizations for technical trading products. Created and maintained crypto data ingestion pipeline and live price streaming. (TypeScript, React, Apollo GraphQL, Node.js, PostgreSQL, TypeORM)

Software Engineer (Full Stack) - Rutter (rutterapi.com) San Francisco, CA 2021/11 - 2022/04
Worked on abstraction of platform-specific ecommerce and accounting APIs to increase the configurability and speed of data-fetching jobs. Set up unit and integration testing architecture and CI from scratch. Designed and implemented declarative code generation tools for supporting new platforms. (TypeScript, Node.js, PostgreSQL, TypeORM, AWS Aurora)

Software Engineer (Backend) - Amazon (amazon.com) Seattle, WA 2021/06 - 2021/09
Designed and implemented label set automation for evaluating cost anomaly detection precision for AWS insights & Enterprise Tools and AWS Cost Anomaly Detection. Project reduced time to create label sets from 5+ hours to a few minutes. (Python, TypeScript, SQL, AWS Lambda, AWS Redshift, AWS Cloud Development Kit, AWS Sagemaker)

Software Engineer (Full Stack) - Snackpass (partners.snackpass.co) San Francisco, CA 2020/05 - 2021/06
Led Apollo GraphQL migration on monolith server and client-side repositories. Created multi-store cart module for online ordering site and mobile client. Implemented real-time kitchen display system mobile app from scratch. Worked on fee-framework in accounting repo for mobile and online orders. Built contactless QR-based dine-in system for order checkout. (TypeScript, React, React Native, Apollo GraphQL, Node.js, Redux, MongoDB, Firebase, AWS, Datadog, Sentry, Socket.io)

Founder, Engineer (Full Stack) - Vailable (vailable.io) New Haven, CT 2019/10 - 2020/03
Designed and implemented full-stack responsive web application for meeting/event scheduling. Displays cumulative user availability data in a live color gradient to visualize the most available times. Funded by Tsai Center for Innovative Thinking Student Innovation Fund. Consistent 1,200+ monthly unique visitors. Listed on ProductHunt and IndieHackers. (TypeScript, Apollo GraphQL, React, Node.js, mySQL, AWS)

LEADERSHIP
Executive Director - Yale University Science Olympiad (yuso.yale.edu) New Haven, CT 2018/08 - 2020/05
1,000 of the USA's top high school students compete at the annual Yale University Science Olympiad tournament. Designed and implemented new organization website from scratch. Managed 12+ board members, 100+ volunteers, and 20+ competition events. Spearheaded organization expansion and sponsorship search. (React, AWS S3, CloudFront)

SKILLS
Languages: TypeScript, Python, Solidity, JavaScript, C
Libraries/Frameworks: Apollo GraphQL, React, Redux, Node.js, Jest, SASS, React Native, Mocha & Chai, Truffle
Database: MongoDB, PostgreSQL, mySQL, MariaDB
Additional Tools: AWS, Netlify, Infura, Firebase, Datadog, Heroku, Cloudflare, Sentry

AWARDS
World Maker Faire New York Editor's Choice and Best in Class 2017
Kickstarter Project We Love 2017