Reece Yang

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EDUCATION

Massachusetts Institute of Technology   Cambridge, MA
Master of Engineering in Computer Science   *Sep 2025 – May 2026 (expected)*
Bachelor of Science in Computer Science; GPA: 4.8/5.0
- **Relevant Coursework**: Software Performance Engineering, Computer Systems Engineering, Database Systems, Intro to Algorithms, Artificial Intelligence

EXPERIENCE

eBay   San Jose, CA
Software Engineer Intern   *May 2024 – Aug 2024*
- Developed a business intelligence app, used by eBay executives to make key business decisions, as part of the Cloud Data Technologies team using Node.js, JavaScript, and React.
- Improved maintainability of the app by refactoring query service to use a new ORM library, removing 4,000 lines of unmaintained JavaScript code from the codebase and affecting all data fetches across the app.
- Increased backend observability by developing a new log formatting library, with automated CI in Jenkins, to format over 100,000 entries in Splunk daily, allowing developers to debug errors more quickly.
- Improved app security by implementing a role-based access control service to protect backend APIs.

MIT Media Lab   Cambridge, MA
Undergraduate Researcher   *Sep 2023 – Jan 2024*
- Used React, TypeScript, and Recoil to redesign the frontend for a conversational augmentation app used to enhance meetings with Media Lab leadership and corporate sponsors.

Tutor Intelligence   Boston, MA
Software Engineer Intern   *May 2023 – Aug 2023*
- Supported a key business objective by developing a data-labeling application using React and TypeScript.
- Reduced frontend build times from 2 minutes to 0.5 seconds by refactoring build tooling to use Vite.
- Improved frontend reliability by implementing automated tests in CI with Cypress and GitHub Actions.

Rivet   Remote
Full Stack Web Developer Intern   *May 2022 – Feb 2023*
- Developed core business features, such as monetization, for a React web app with over 1,000 users using TypeScript, Redux, Knex.js, Tailwind, Stripe API, and Shopify API.

PROJECTS & LEADERSHIP

Forex Research Database | *Timescale, PostgreSQL, Tailscale, Grafana, Python*   *Sep 2023 – Present*
- Ingested 18 million rows of tick data and optimized query speed by 10x to easily analyze FX trading strategies.

MIT Software Construction Course Teaching Staff | *TypeScript*   *Feb 2024 – May 2024*
- Helped students learn test-driven software development by hosting office hours and providing code feedback.

Figo | *React Native, TypeScript, Convex, Plaid, Expo, OpenAI*   *Jan 2024 – Mar 2024*
- Built an AI-powered personal finance budgeting app, winning a prize in the Zero to One Convex Hackathon.

Battlecode Bot | *Java*   *Jan 2023*
- Recognized as finalist in Battlecode programming competition by developing game-playing algorithms using Java.

BobaBoss | *React, Express, Node.js, MongoDB, Google Cloud Services*   *Sep 2022 – Dec 2022*
- Built a boba review app that won Most Responsive UI prize in 2022 web.lab competition using MERN stack.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Rust, Java, Python, C/C++, Go, SQL, HTML/CSS, Lua, RISC-V Assembly
Frameworks: React, Node.js, Express, Next.js, Redux, Recoil, MUI, Cypress, Rocket, Tailwind, pandas, NumPy, matplotlib, scikit-learn, SciPy, OpenAI, gRPC/Protocol Buffers, Tyk
Databases: PostgresQL, Snowflake, SQLite, MongoDB, Timescale, Convex
Developer Tools: Git, Vim, Docker, Jenkins, GitHub, Jira, Google Cloud Platform, AWS, Tailscale, Grafana, Jupyter Notebook, Linux (Arch Linux, Ubuntu, Raspbian)