REECE YANG

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EDUCATION

Massachusetts Institute of Technology
Sep 2021 – May 2025

Cumulative GPA: 5.0/5.0 — Cambridge, MA

- Candidate for Bachelor of Science in Computer Science and Brain and Cognitive Sciences
- Coursework: Computation Structures, Software Construction, Electronics Project Laboratory, Intro to C and Assembly, Intro to Algorithms, Fundamentals of Programming, Artificial Intelligence, Emergent Neural Computations, Intro to Psychology, Intro to Neuroscience, Infant & Childhood Cognition, Multivariable Calculus, Linear Algebra

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EXPERIENCE

Tutor Intelligence
May 2023 – August 2023

Software Engineer Intern — tutorintelligence.com ↗

- Used React, TypeScript, and Recoil to designed and develop a data-labeling application key to the company's core vision, doubling robot management efficiency. Implemented backend services using Python. Collaborated on an established codebase with Git and Shortcut.
- Migrated entire front end codebase to use Vite build tool and wrote TypeScript, pnpm, and GitHub Actions configurations.

MIT Digital Humanities Lab
February 2023 – May 2023

Undergraduate Researcher — dhlab.mit.edu ↗

- Developed algorithms to analyze and notate Ottoman music using Python and the music21 toolbox. Published first full open source transcription of a collection of Ottoman songs.

Rivet
May 2022 – February 2023

Full Stack Web Developer Intern — rivet.app ↗

- Developed web app frontend using TypeScript, React, and Tailwind. Created hooks and backend integrations using Redux Toolkit to manage app state. Made UI/UX designs in Figma. Designed SQL databases and built backend controllers with Knex.js. Collaborated on an established codebase with Git and Trello.
- Developed link page editor features that 1,000+ artists actively use. Built billing settings flow using Stripe API, allowing Rivet to begin monetizing their service. Designed and implemented full stack Shopify API import feature allowing users to integrate their Shopify data.

MIT Fundamentals of Programming
September 2022 – December 2022

Lab Assistant — py.mit.edu ↗

- Hosted office hours and helped students with programming in Python.

PROJECTS

BobaBoss — bubble tea review aggregator
bobaboss.reeceyang.xyz ↗

- Built review search/sort/filter interface, social media feed, and review posting feed frontend with React. Wrote backend using Express and Node.js. Developed REST API endpoints to manage user data in MongoDB, handle logins with Google OAuth, and upload review photos to Google Cloud Storage. Deployed website using Google Cloud Services.
- Won Most Responsive UI prize in 2022 Web Lab competition.

AWARDS

- 2nd place in Battlecode 2023 MIT Newbie Tournament. — github.com/reeceyang/battlecode-2023 ↗
- Pozen Fellow — One of seven MIT undergraduates chosen for a summer internship for MIT delta v alumni companies.
- 4-time AIME qualifier, USACO Gold qualifier, National AP Scholar with Distinction, National Merit Scholarship Finalist

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SKILLS & INTERESTS

- Python, TypeScript, React, Node.js, Express, MongoDB, PostgreSQL, AWS, C/C++, Java, Git, Vim, SolidWorks
- English (native), French (minimum professional), Mandarin (minimum professional)
- Music production & DJing (Ableton Live, Rekordbox), skateboarding, hiking, cooking