

Xinzhe Chai

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EDUCATION

Brown University, Sc.B. Computer Science, 4.0/4.0 Major GPA Providence, RI | **Expected Graduation May 2023**
Relevant Coursework: Object-oriented Programming, Data Structures, Computer Systems, Deep Learning, Hypertext Systems, Statistical Inference, Software Engineering (planned), Web Applications (planned), Discrete Structures (planned)

SKILLS & INTERESTS

Programming Languages: TypeScript, Java, Python, C, HTML, CSS, JavaScript, LaTeX, MATLAB, R

Technologies: React, MongoDB, PostgreSQL, Node.js, Express, TensorFlow, Flask, Handlebars, Angular, Figma, Lightroom

Interests: Event photography, Aviation & Flight Simulation, browsing Behance

EXPERIENCE

Keva Health

Web Development Intern [kevahealth.com]

Lexington, MA | June - August 2020

- Rebuilt company website from scratch with **WordPress**, **HTML** and **CSS**; website generates 1000+ monthly views.
- Coordinated content production for 6 webpages, completed site migration and provided timely support during downtime.
- Drafted company's social media strategies (visual design, lead generation) and drove 40% growth in LinkedIn followers.

Galea Health

Software Engineering Intern [onboard.galeahealth.com]

New York, NY | June 2020 - August 2020

- Designed and implemented home page for Galea's therapist onboarding system with **Angular**, **TypeScript** and **HTML**.
- Resolved 50+ frontend related tickets in collaboration with design team; provided feedback through daily product testing.

Full Stack at Brown,

Product Manager & Lead Engineer

Providence, RI | January 2020 - Present

- Managed 3 web application teams, guided product design discussion, and set product priorities to ensure timely delivery. Communicated with clients, provided mentorship and technical support with **React**, **Express**, **MongoDB** and **SQL**.
- Led the design and implementation for *Brown Initiative for Policy* website with **Bootstrap** and **JavaScript** [brownpolicy.org]
- Responsible for livestream experience and website maintenance for Hack@Home, a virtual hackathon with 1K hackers.

Brown University

Sunlab Consultant & Web Developer

Providence, RI | August 2020 - Present

- As Sunlab Consultant, managed, organized, and maintained all open computer labs at Brown University. Assisted students with any technical problems (SSH, PATH) regarding university's **Linux** computer clusters (100+ hours per semester).
- Volunteered for Prof. Dobrushkin to build the *Differential Equation* course website and accompanying math tutorials, technology used: **JavaScript**, **HTML**, and **Bootstrap** (30+ hours per semester).

TEDxUWCChangshu

Licensee & Organizer

Changshu, China | October 2017 - May 2019

- Led a team of 18 and organized 3 TEDx events; events attracted audience of 800+ from multiple cities around the region.
- Managed and coordinated the 4 groups in the organizing team; designed promotional material with Adobe Illustrator.
- Oversaw budget, and sponsorship of the event; raised \$4,000+ in total through ticket revenue and various sponsorship.

TECHNICAL PROJECTS

Spectacles, a video annotation system [[GitHub](#)] [spectacles.work]

December 2020

- Spectacle is a webapp that supports creating and linking multi-media content nodes. Users can make annotations on videos at specific timestamp and link annotations with other media (text, PDF). Built with **React**, **Express**, and **MongoDB**.
- Ideal use case for remote learning, as it allows teachers to provide feedback and student to take notes on videos.
- Written and published **npm** package that defines **TypeScript** interfaces, utilized React Hook to manage component states.

Shell, a terminal written in C

October 2020

- Implemented a shell program that takes in and parses user commands to operate functionality as Linux terminal.
- Program supports multiple built-in commands (cd, ls), launching jobs in background, and terminating processes on signals.

BookQueries, a book database built with Flask, PostgreSQL & HTML [[GitHub](#)] [[Demo](#)]

July 2020

- Book database that allows users to query 5000+ titles and post their reviews. Information queried from OpenLibrary API.
- Implemented a simple user authentication system from scratch, and built an API that returns book info based on its ISBN.