

Tommy Chow

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Education

University at Buffalo // Buffalo, NY // BSc in Computer Science Jan. 2019 - May 2022

- GPA: 3.75/4.00 (summa cum laude); Dean's List Fall 2019, Fall 2020, and Spring 2021.
- **Relevant Coursework:** Data Structures, Algorithms and Complexity, Algorithms for Modern Computing Systems, Web Applications, Software Engineering, Applied Human-Computer Interaction and Interface Design, Computer Security, and Modern Networking Concepts.

Skills

Programming Languages: C/C++, CSS, Dart, HTML, JavaScript, Python, Scala, Swift, and TypeScript.

Frameworks/Libraries: Django, Flask, Flutter, MobX, Next.js, React, React Native, SwiftUI, and Tailwind CSS.

Developer Tools: CI/CD, Docker, Git, GitHub Actions, Figma, Heroku, Vercel, and ZenHub.

Databases: MySQL, MongoDB, PostgreSQL, and SQLite.

Work Experience

KAFSC // New York City, NY // Information and Data Intern Jul. 2019 - Aug. 2019

- Cooperated with interns and IT staff to perform data migration of client information from DonorPerfect to Salesforce using Excel functions, completing 2 weeks ahead of schedule.
- Collaborated daily with directors, managers, and community outreach coordinators to design logos, visualizations, and marketing materials for use in over 100 official documents and promotional items.
- Accelerated several major projects including maintenance of computer labs and servers, production of a plan to revamp the network of the office, and weekly reports to keep track of system security.

Projects

Frosty for Twitch // frostyapp.io Ongoing

- Architected a free and open-source mobile app that enhances watching and chatting on Twitch.tv.
- Developed with Flutter using the MVVM design pattern, MobX.dart, and semantic versioning.
- Released on the Apple App Store and Google Play Store with 15,000+ downloads, 300+ per day.

Study Seeker // github.com/tommyxchow/study-seeker May 2022

- Built upon a responsive web app that helps students find the best match for a study partner.
- Coordinated with an Agile team of 6 to design, develop, and test with Figma, React, and ZenHub.
- Acquired experience with front-end and UI/UX practices including usability and A/B testing.

Zeal // github.com/tommyxchow/zeal Dec. 2021

- Engineered an event-finding CRUD web app that allows users to explore, join, and manage events.
- Led a team of 5 to design, develop, test, and deploy with Figma, React, Django, Docker, and Heroku.
- Attained hands-on experience with Scrum practices through PM meetings and kanban on ZenHub.

The Gallery // github.com/tommyxchow/the-gallery May 2021

- Created a vanilla web app that lets users sign up to browse and upload images, comment, and chat.
- Implemented building and parsing of HTTP messages and WebSocket frames, token-based authentication, and server-side rendering with Python, JavaScript, and minimal libraries.
- Evaluated the core foundations of internet protocols, RFCs, and full-stack web development.