

Jimmy Chen

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Education

Cornell University, College of Engineering

B.S. in Computer Science

Ithaca, NY

Expected May 2028

GPA: 3.51/4.0

Related Coursework: Intro to Python, iOS Dev., Discrete Structures, Multivar. Calculus, Linear Algebra

Planned FA '25: OOP & Data Structures, Functional Programming, Digital Logic & Computer Organization, Probability Models & Inference

Experience

Web Developer

Jun 2023 – Nov 2023

New York Tutoring Center

Remote

- Led team of 5 developing responsive nonprofit websites using HTML/CSS, JavaScript, and modern frameworks.
- Communicated with clients to gather technical requirements and deliver responsive, user-friendly solutions.
- Organized weekly team meetings to assign tasks, track progress, and troubleshoot collaboratively, ensuring consistent momentum and timely delivery.

Projects

Stridr - iOS Run Tracker App | *SwiftUI, Supabase, MapKit, HealthKit, Core Location*

May 2025 – Jun 2025

- Developed comprehensive iOS running app featuring real-time GPS tracking, route mapping, and workout analytics with seamless cloud synchronization.
- Implemented advanced tracking capabilities including distance, pace, time monitoring, and calorie calculation with pause/resume functionality and countdown timer.
- Integrated HealthKit for automatic workout syncing to Apple Health and Supabase for secure cloud storage with magic link authentication.
- Built responsive SwiftUI interface with MapKit integration for route visualization and detailed workout history.

Munch! - iOS Food Discovery App | *SwiftUI, Firebase, MapKit, REST APIs, Figma*

Apr 2025 – May 2025

- Won Best UI Award at Cornell AppDev Hackathon among 19 teams (80+ participants) for exceptional user interface design and user experience.
- Developed iOS frontend for full-stack food discovery application using SwiftUI, featuring restaurant search, social features, and automated bill-splitting.
- Implemented receipt scanning with OpenAI API integration to parse itemized bills and automatically generate Venmo payment requests with exact amounts owed.
- Integrated multiple APIs (OpenAI, CoreLocation, Venmo) creating seamless user journey from restaurant discovery to payment splitting.

Website Development, *New York Tutoring Center* | *Drupal, Docker, SQL, Git, SEO*

Aug 2023 – Nov 2023

- Designed and launched a webpage which has provided free tutoring services to 100+ students within 6 months.
- Configured Drupal CMS to launch a scalable tutoring platform and used OrbStack for Docker-based testing.
- Boosted website traffic by implementing SEO strategies, including submitting a sitemap to Google.
- Integrated Git for version control and utilized SQL to sort and manage user sign-up data.

Travel Webpage | *HTML, CSS, JavaScript, jQuery, OrbStack, Git*

Mar 2023 – May 2023

- Developed a responsive and visually engaging webpage using Scrollify for smooth scrolling, WOW.js for dynamic animations, and flexbox for adaptive layouts.
- Fetched user's current time data to develop a dynamic, real-time clock feature using JavaScript and jQuery.

Technical Skills

Languages: Python, Java, Swift, JavaScript, SQL, HTML, CSS

Frameworks/Libraries: SwiftUI, Firebase, Supabase, MapKit, HealthKit, Core Location, Bootstrap, jQuery, Drupal, NumPy, BeautifulSoup

Developer Tools: Git, Docker, MySQL, PostgreSQL, VS Code, Xcode, Supabase CLI

Cloud/Backend: Supabase (Auth, Database, Real-time), Apple Developer Services, RESTful APIs