

Steven Yu

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EDUCATION

Cornell University

Ithaca, NY

Bachelor's, Computer Science

Expected May 2027

- GPA: 4.14
- Relevant Coursework: Object-Oriented Programming and Data Structures, Discrete Structures, Functional Programming, Digital Logic and Computer Organization, Analysis of Algorithms, Database Systems
- Honors and Awards: Cornell Bowers CIS BOOM 2024 Award Recipient, Switch the Pitch Hackathon First Place

Hackley School

Tarrytown, NY

High School Diploma

Sep. 2019 – June 2023

- Cum laude; GPA: 4.38; 1590/1600 (800 Math, 790 R&W) SAT
- Honors and Awards: National Merit Finalist, U.S. Presidential Scholar Candidate, AP Scholar with Distinction

EXPERIENCE

Software Engineer Intern

Jan. 2024 – Present

Shmood.io (EF '24)

Remote

- Building core features of a full-stack product using Next.js, React, and Supabase.
- Designed and implemented the business logic, database changes, and UI for various feature overhauls.
- Developed the Figma plugin, backend edge functions, and Figma OAuth integration to upload and sync Figma files with Shmood boards.

Undergraduate Research Assistant

May 2024 – Present

Cornell Zhang Research Group

Ithaca, NY

- Researching systolic arrays and their applications for accelerating Deep Neural Network (DNN) workloads.
- Analyzing the architecture and benchmarking the performance of Gemmini DNN accelerators.

Full-Stack Developer & Teaching Assistant

Oct. 2023 – Present

Cornell Digital Tech & Innovation (DTI)

Ithaca, NY

- Building as a developer on QueueMeIn, an office hours platform used by 3000+ students and faculty at Cornell.
- Developed feature that allows professors to export and analyze data from office hours sessions.
- Hosted office hours and debugged students' projects as a Teaching Assistant for Trends in Web Dev.

PROJECTS

Ritu App | *Swift, SwiftUI, Python, FastAPI, Twilio, Figma, Firebase, DigitalOcean*

Oct. 2023

- Created a Python REST API and SwiftUI iOS app that sent targeted weekly pest/weather risk predictions to farmers through the app and SMS notifications via Twilio within 24 hours.
- Won First Place in Cornell Johnson High Tech Club's Switch The Pitch Hackathon with \$1500 award.

CUSoon Web App | *TypeScript, React, Next.js, TailwindCSS, Express.js, Node.js, Firebase*

Oct. 2023

- Created a full-stack web app hosted on Vercel that uses web scraping to aggregate bus ticket data to allow students to compare and find the best bus tickets and times (cusoan.vercel.app).

SchoolVerse App | *Swift, SwiftUI, Python, FastAPI, Figma, Firebase, DigitalOcean*

Dec. 2021 – Dec. 2023

- Created an app to manage all aspects of student life (shoolverse.app).
- Used web scraping and external APIs to combine and sync data from multiple websites/platforms into one app.
- Won \$1200 Russ Hogg Grant to fund development.
- Achieved 80% adoption rate at Hackley School.

Model UN Website | *HTML, CSS, TailwindCSS, JavaScript, Next.js, React, TailwindCSS*

Jan. 2022 – Present

- Created the HackMUN website (hackmun.org) using Vercel, NextJS, and TailwindCSS.

SKILLS

Programming Languages: TypeScript, JavaScript, Swift, Python, Java, HTML/CSS, OCaml, Verilog

Frameworks/Tools: React, Next.js, Express, Node.js, SwiftUI, Flask, FastAPI, TailwindCSS, Firebase, Supabase, Git/GitHub, Figma, PostgreSQL, Docker, DigitalOcean

Languages: English, Chinese