Steven Yu

+1 845-271-9028 | ssy38@cornell.edu | linkedin.com/in/steven-yu-yue | github.com/stevenyuser | stevenyuser.com

EDUCATION

Cornell University — Ithaca, NY
Bachelor's, Computer Science — *Aug. 2023 – May 2027*
- GPA: 4.157
- Coursework: Machine Learning, Database Systems, Systems Programming, Computer Organization, Computer Networks, Analysis of Algorithms, Functional Programming, Object-Oriented Programming & Data Structures, Backend Development, Digital Logic

EXPERIENCE

Software Engineer Intern — May 2025 – Aug. 2025
Robinhood — *New York, NY*
- Working on the Equities Team

Software Engineer Intern — May 2024 – Aug. 2024
Shmood — *New York, NY*
- Developed the Figma plugin, backend edge functions, and Figma OAuth integration to upload and sync Figma files with Shmood boards.
- Refactored the app architecture to eliminate wasteful reads by centralizing the data fetching logic into React hooks, improving the Largest Contentful Paint by 42% and the Speed Index by 47% (Google Lighthouse metrics).
- Implemented realtime data synchronization and optimistic updates for a more dynamic and fluid experience.

Undergraduate Research Assistant — May 2024 – Present
Cornell Zhang Research Group — *Ithaca, NY*
- Researching systolic arrays and their applications for accelerating machine learning (DNN) workloads.
- Analyzing the architecture and benchmarking the performance of Gemmini DNN accelerators using C and GTKWave.

Teaching Assistant — Aug. 2024 – Present
Cornell University — *Ithaca, NY*
- Served as a teaching assistant for Web Dev, Digital Logic and Computer Organization, and Machine Learning.
- Hosted lab sessions, office hours, and graded assignments in subjects including web development, React, computer hardware, Verilog, and machine learning.

SELECTED PROJECTS

QueueMeIn | *TypeScript, React, Material UI, Node.js, Firebase* — Aug 2023 – May 2024
- Developed QueueMeIn, an office hours platform used by 3000+ students and faculty at Cornell.
- Built feature that allows professors to export and analyze data from office hours sessions.

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.

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).
- Built the iOS app using SwiftUI and Firebase; engineered clean app architecture with the MVVM design pattern.
- Used web scraping and external APIs to combine and sync data from multiple websites/platforms into one app.
- Achieved 80% adoption rate at Hackley School and won $1200 Russ Hogg Grant to fund development.

SKILLS

Programming Languages: Python, TypeScript, JavaScript, Swift, Go (Golang), Java, C, OCaml, Verilog
Frameworks/Tools: React, Next.js, Express, Node.js, SwiftUI, Flask, FastAPI, TailwindCSS, Firebase, Supabase, Git/GitHub, Figma, SQL, PostgreSQL, Docker, DigitalOcean, Linux, PyTorch, NumPy, gRPC
Languages: English, Chinese