Daniel Wei

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Education

CORNELL UNIVERSITY – ITHACA, NY   **2021 – MAY 2025**

B.A. in Computer Science. **Minor** in UX (Information Science). **GPA**: 3.72
Relevant Coursework: Object-Oriented Programming, Computer System Organization, Functional Programming,
Discrete Structures, Algorithm Analysis, Digital Product Design, Machine Learning, Databases, Operating Systems.

Experience

INSTAPATH, INC (YC W19) – PRODUCT ENGINEERING INTERN; HOUSTON, TX   **JUN 2022 – AUG 2023**

- Implemented, from scratch, deep-zoom medical scan viewer frontend using **React.js**, **Next.js**, **Redux**, **Tailwind CSS**.
- Maintained **Python**, **Django**, **Celery, RabbitMQ, AWS EC2** backend.
- Created **Docker, docker-compose** deployment pipeline.
- Reduced downtime by **~90%** compared to industry standard. Used in production by hospitals, clients.

YOOMI HEALTH – SENIOR SOFTWARE ENGINEER; ITHACA, NY   **JUN 2022 – JAN 2023**

- Led a team to develop OpenCV-powered **AR** experiences for gamifying physical therapy in **TypeScript**.
- Product trial led directly to seed funding by **Mark Cuban**.

TECMEND, LLC – SOFTWARE ENGINEER INTERN; HOUSTON, TX   **MAR 2021 – SEP 2021**

- Built a **React Native** mobile payments app, API integrations with HubSpot and Intuit QuickBooks.

WAVELAB GLOBAL, INC – SOFTWARE ENGINEER INTERN; HOUSTON, TX   **JUN 2019 – JULY 2019**

- Developed **Java** program & custom corresponding **UDP** protocol to recover lost network devices.

Activities

CORNELL DESIGN & TECH INITIATIVE – DEVELOPER LEAD   **JAN 2023 – PRESENT**

Administered *all* development activity across 7 product offerings and 80+ members. Coordinated recruitment,
onboarding, product deployments. Organized annual team hackathon.

INFO 1998: TRENDS IN WEB DEVELOPMENT – COURSE STAFF   **JAN 2023 – PRESENT**

Revamped course curriculum with the latest in **Node.js**, **HTML/CSS, JavaScript**. Taught lectures to classes of ~50.
Hosted weekly office hours. Automated homework grading using **Vite**, **Deno**, **Webpack, Babel**.

CORNELL DESIGN & TECH INITIATIVE – TECHNICAL PRODUCT MANAGER   **AUG 2022 – DEC 2022**

Coordinated development of campus-wide ride-share system built on **Express**, **AWS DynamoDB**. Led **agile**
development, team stand-ups, task distribution.

Projects

HYPERDTI – CORNELL DTI URL SHORTENER   **SPRING 2023**

Created a simple hyperlink shortener using **Firebase**, **SvelteKit** in 24 hours, now serving up to 550 weekly active users.

BOCAML – CS 3110: DATA STRUCTURES & FUNCTIONAL PROGRAMMING   **SPRING 2023**

Team lead in developing a multimedia Telegram bot powered by GPT in **OCaml** and **Bash**.

FASTERNET – HOOHACKS 2020 WINNER   **SPRING 2020**

Designed and developed a **Python** program that improves DNS resolution times on Windows by **2x**.

Skills

Java, JavaScript, TypeScript, OCaml, HTML, CSS, Python, SQL, Bash, Docker, React.js, Redux, Next.js, Svelte, React
Native, Express, Flask, Firebase, PostgreSQL, MySQL, Redis, Prisma, Node.js, Tailwind CSS, Webpack, Babel, AWS,
RabbitMQ, Linux, Git, Jest, Vite, Deno, TCP/IP, Agile.