

DANIEL H. WANG

Ithaca, NY | (607)-327-7928 | dhw72@cornell.edu | US and Canadian dual citizenship

EDUCATION

Cornell University

B.A. in Computer Science and Mathematics, 4.0 GPA

Ithaca, NY

Expected - May 2027

International School of Lausanne

International Baccalaureate Diploma, Score: 43/45

Lausanne, Switzerland

August 2019 - June 2023

EXPERIENCE

Software Engineering Intern at Bridgestone

Software Engineer Intern

Nashville, TN

May 2025 - August 2025

- Deployed and customized 4 AI agents on Databricks for scaling in production environments
- Developed and trained an unsupervised learning model that analyzed company AI queries to find opportunities for AI integration
- Colaborated with cross-functional teams to build AI and ML tools for automation and interoperability in the IT department

Head of Engineering at Cornell Blockchain

Cornell University

Ithaca, NY

December 2025 - Current

- Mentor 5 teams of 3-4 students with technical insights, demo strategy, and problem solving code and concepts

Analysis of Algorithms Teaching Assistant at Cornell University

CS 4820 Analysis of Algorithms Teaching Assistant

Ithaca, NY

December 2025 - Current

- Host office hours, workshops, and lead review sessions to help students with course content and problem solving insights

Discrete Mathematics Teaching Assistant at Cornell University

CS 2800 Discrete Mathematics Teaching Assistant

Ithaca, NY

January 2025 – December 2025

- Led weekly workshops for 25 engineering students, reinforcing discrete maths topics such as combinatorics, induction, and set theory

Software Developer Intern at Virginia Commonwealth University

Software Development Intern

Richmond, VA

May 2024 – August 2024

- Built a data pipeline that automatically processed and verified documents before being sent to external research bureaus

PROJECTS

Housing Portal Website | Typescript, React, Git, PostgreSQL, Tailwind, Next.js

November 2025 - Current

- Built a housing portal website which organized and scaled leasing operations between landlords and tenants
- Implemented the frontend with react components in a next.js framework and supported authentication and document storage using Supabase

Pharmaceutical Stock Algorithmic Trading Strategy | Python, BeautifulSoup, Bertopic, Scikit-Learn

August 2024 – May 2025

- Developing ML-driven trading strategy for pharmaceutical stocks using GCN and TFT, achieving a 15% risk-adjusted return in backtesting
- Trained a BERTopic unsupervised learning model to assess sentiment polarity of FDA trial announcements as indicators
- Developed trading strategy on the Cornell Algorithmic Trading Club where we placed 3rd place in the Quant Connect trading league

Crypto Betting Simulation App | Python, Postgres, Kalshi API, Websockets

August 2025 - December 2025

- Engineered an on-chain paper trading application which executes and tracks prediction-market positions without using real capital
- Implemented the trading engine by using prices from the Kalshi API via a websocket to have real-time data and reduce HTTP limitations
- Collaboratively engineered the system design of the app with a small team of engineers as part of the Cornell Blockchain Club

School Organization Website | HTML, CSS, Javascript

January 2025 – December 2025

- Designed, developed, and maintained the Cornell SALT organization's website: www.csaltcornell.com.

TECHNICAL SKILLS AND ORGANIZATIONS

Languages - Python, Java, OCaml, C, Solidity

Libraries - Numpy, Matplotlib, Pandas, Git, Tensorflow, PyTorch, Scikit-Learn, Bertopic

Fullstack - Next.js, Tailwind, Javascript, Typescript, Node.js, React.js, PostgreSQL

Organizations - Cornell Blockchain, Cornell Algorithmic Trading Club, Cornell Barbell, Cornell Engineering Learning Initiatives