

Jimmy Phan

781-228-3657 | jp2369@cornell.edu | [in linkedin.com/in/jimmy-phan-cs](https://www.linkedin.com/in/jimmy-phan-cs) | github.com/jmyphn

EDUCATION

Cornell University

Ithaca, NY

Bachelor of Science in Computer Science, Minor in Operations Research

Expected May 2026

GPA: 3.6, Dean's List All Semesters

Relevant Coursework: **Applied Parallel Computers, Distributed Systems, Computer Networks, Systems Programming, Object Oriented Programming and Data Structures, Analysis of Algorithms, Computer Systems, Functional Programming, Machine Learning**

EXPERIENCE

Software Developer

May 2024 – Present

Ivy Nails and Spa

Remote

- Building a website to enhance business visibility to customers using React.js and Tailwind CSS.
- Developing and modernizing appointment scheduling and assignment from pen-and-paper using MongoDB, GraphQL, Node.js, and React.js.

Data Structures Teaching Assistant

August 2023 – Present

Cornell University

Ithaca, NY

- Enhance students' understanding of fundamental object-oriented programming concepts and data structures by leading weekly discussion section of more than 40 students and answering over 10% of all questions posted to the course's public forum.
- Assist students in debugging and clarifying documentation for coding assignments of 500+ lines of code.

Software Engineering Extern

May 2023 – August 2023

Citadel LLC

New York City, NY

- Developed proficiency in a comprehensive tech stack comprising Python, Flask, MongoDB, HTML, and CSS, through hands-on development of full-stack web applications.
- Engineered an intuitive portfolio management tool leveraging StockData API for real-time stock performance monitoring and integrated large language models for financial assistance.
- Analyzed stock market simulations to deepen understanding of market dynamics and financial concepts.

Project Lead

January 2023 – Present

Cornell Data Journal

Ithaca, NY

- Lead a team of five utilizing Git and AGILE software practices to analyze trends in educational performance and prices of financial instruments using data extracted via data scraping tools.
- Utilize pandas, NumPy, and scikit-learn to vectorize data and perform regression analysis, and visualize findings using Matplotlib.

PROJECTS

risk_of_ocaml | OCaml, C, Raylib

September 2023 – December 2023

- Designed and implemented the multiplayer game Risk with a team of four using Git control flow and following agile software practices.
- Developed and integrated several front-end UI components to react to changes over the course of a game.

AllEars | React.js, Node.js, Firebase, TypeScript

September 2023 – December 2023

- Created a music-sharing platform with a team of 3 using OAuth 2 and Firebase to store unique user data.
- Simplified querying for users' music taste and data from Spotify API, speeding up load times by 60%.

TECHNICAL SKILLS

Languages: Python, Java, C/C++, SQL (Postgres), JavaScript, TypeScript, OCaml, HTML/CSS

Tools & Technologies: Git, Linux, React.js, Express.js, Node.js, Flask, MongoDB, Firebase, Pytorch, Matplotlib