Wei Ouyang

New York, NY **|** (917) 935-8860 **|** weiouyang9134@gmail.com

EDUCATION

CORNELL UNIVERSITY   **Ithaca, NY**
BS in Computer Science (GPA: 3.56, Dean's List)   August 2022 – May 2026
Relevant coursework:

- Object-Oriented Programming & Data Structures (Java), Functional Programming & Data Structures (OCaml)
- Multivariable Calculus, Linear Algebra, Discrete Math
- Digital Logic & Computer Organization, Probability Models & Inference

SKILLS

- Java, Python, OCaml, Git. CLI, Linux, MySQL, Microsoft office, Windows, MacOS, Algorithms
- Experienced in web development processes, Figma, React, JavaScript, HTML, CSS, GraphQL
- Complexity analysis, Data structures, Linear algebra, Modular design, Thread programming, Verilog, Statistics
- Expertise in software testing, debugging, agile methodologies, programming, and data analysis, Bash shell
- Project and time management, Communication, Problem solving, Adaptable, Inquisitive, Self-starter, Critical thinking

WORK EXPERIENCE

CODE.ORG   **New York, NY**
Code Tutor   June 2021 – August 2021

- Provided Python tutoring to middle and high school students
- Coordinated regular communications and meetings with parents to address student progress and concerns
- Organized comprehensive resource files, activities, and demonstrations for every tutoring session

PROJECTS

FGSU (FIRST-GEN STUDENT UNION) BLOG WEBSITE (WIP)   **Ithaca, NY**
Personal   December 2023

- Currently developing a new, all-in-one, blog/resource website service to expand FGSU's outreach and impact
- Utilized Figma for an iterative design process, and React library to construct various website components and pages
- Incorporated GraphQL and Hygraph for temporary backend CMS

ROBOT META-LANGUAGE INTERPRETER   **Ithaca, NY**
Academic   November 2023

- Developed an interpreter for a scalable mapping programming language to express data in an RDF data model
- Employed OCaml to handle the mapping definitions in a consistent, modular, interoperable, and expandable manner
- Established an evaluator that utilized technical semantics to effectively match patterns, operations, and environments

ACTIVITIES

FIRST-GEN LOW-INCOME (FGLI) ADVOCACY COMMITTEE   **Ithaca, NY**
Tech Lead, Newsletter and Event Manager   October 2023

- Facilitated forums, discussions, and resources for Cornell FGLI students
- Coordinated, planned, and scheduled dates, times, and places for large-scale events
- Developing a newsletter/blog service to distribute resources, events, and other weekly highlights

Certificate

JPMORGAN CHASE & CO SOFTWARE ENGINEERING
Virtual Experience on Forage   August 2023

DATACOM SOFTWARE ENGINEERING
Virtual Experience on Forage   August 2022