Jenna Gu

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LINKS
GitHub

PROFILE
Highly motivated & detail-oriented CS student at Cornell. Experienced in Agile & Scrum environments

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EMPLOYMENT HISTORY

May 2023 — Aug 2023 | **Software Developer Intern, Verisk** | Jersey City

- Wrote clear, clean code to successfully migrate Verisk's platform to Next.js framework. Boosted search engine ranking & visibility, application performance, and client engagement.
- Analyzed source code to identify and remove software bugs
- Tested new application for usability and adherence to prototype.
- Present use of Next.js to business team to facilitate better understanding of the overall system's functionality
- Chosen as intern to represent Verisk at GHC 23

Jan 2023 — Present | **CS 2110 Teaching Assistant, Cornell Unviersity** | Ithaca

Taught weekly discussions, held office hours, graded assignments, exams for OOP & Data Structures (in Java)

EDUCATION

May 2025 | **Bachelor's degree, Cornell University (4.0 GPA)** | Ithaca

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SKILLS

Java, OCaml, Python, C++, R, Next.js, React, HTML, CSS

SQL, Flask, Docker

Restful backend service

MongoDB, Pandas, Tableau

Git, Jira

Systems programming

Physical computing

Unix tools and scripting

TECHNICAL EXPERIENCE

Sep 2021 — May 2023 | **Projects at Cornell University**

- Built checkers game from scratch using OCaml in team of 3. Supports multiplayer, singleplayer (against AI), and tutorial modes. 2100+ LOC
- Designed, coded, and built advanced cooking machine using modern rapid prototyping techniques (laser cutting, 3D printing microcontroller programming) to automate dough shaping and customization process.
- Created website for Ithaca's Harvest Fest. Conducted user interviews and user testing

Feb 2022 — May 2022 | **Backend Developer for Hack Challenge**

- Designed & created task manager app in group of 5
- Used Flask, SQLAlchemy to create API routes & add user authentication.
- Used Dockerfile, docker-compose.yml for google cloud deployment

May 2024 — Present | **Carpool Application for Students**

- Goal: provide a simple and convenient way for Cornell community to find and coordinate rides on their phones
- Frontend uses React, HTML, CSS. Backend uses Python, MongoDB and MongoEngine
- Uses Restful API

COURSES

- Data Structures & Functional Programming (OCaml); OOP & Data Structures (Java); Discrete Structures; Computer System Organization and Programming; Rapid Prototyping and Physical Computing; Operations Research, ML, Data Sci; Backend Development

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OTHER EXPERIENCE

- National Merit Scholar Finalist (2021); Cornell's national figure skating team competitor; U.S. Figure Skating Gold Medalist