

CAMELLIA GUAN

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EDUCATION

Cornell University, Ithaca, NY

Expected May 2024

Bachelor of Science in Computer Science, Minors in Data Science and Psychology

- GPA: 3.2 / 4.0
- Relevant Coursework: Algorithms, Machine Learning, Object-Oriented Programming, Discrete Structures, Database Management Systems, API/Backend Development, Computer Systems and Organization, Design and Programming for the Web, Data-Driven Web Applications, UNIX Tools and Scripting

TECHNICAL SKILLS

Back-end Development Tools	Python, Java, C, C#, C++, Assembly Language (RISCv), OCaml
Front-end Development Tools	HTML, CSS, JavaScript, JQuery, PHP
Database Management Tools	SQL, Oracle SQL Developer, MySQL, SQLAlchemy, SQLite
Microsoft Office Suite	Excel, Word, PowerPoint

PROJECTS

Personal Website / Portfolio · HTML, CSS, JavaScript, JQuery

Jul 2022 — Present

- A [personal website](#) showcasing a portfolio and about page
- Objective: sharpen skills in front-end development and hone abilities by designing a website for an audience

Multi-Threading Package · C

Sep 2023 — Sep 2023

- A user-level threading interface that utilizes thread and semaphore structures on the EGOs operating system
- Objective: implement data structures and test suite in C to expand understanding of non-preemptive CPU scheduling

Final Year Project Management System · C#, Oracle SQL Developer, MySQL

Jun 2023 — Aug 2023

- An application that manages the final year projects at the Hong Kong University of Science and Technology
- Objective: develop and execute SQL queries to enable users to manage data from a relational database with multiple tables

Playful Plants · HTML, CSS, Javascript, JQuery, PHP, SQLite

Apr 2022 — May 2022

- A server-side webpage designed for the Playful Plants Project that allows users to filter, sort, and browse for plants
- Objective: utilize front-end and back-end skills to create a functional server-side website backed by a database

CU Course Reviews · Python, SQLAlchemy

Apr 2021 — May 2021

- An [application](#) that provides easy access to course reviews and allows students to review courses from the Class Roster API
- Objective: improve understanding of working with relational databases by creating an API-based application with a team

EXPERIENCE

Cornell University CIS, Ithaca, NY

Aug 2022 — Present

CS 1110 Consultant

- Serve as a Consultant Lead on a team of 60+ consultants to supplement learning for ~500 students
- Resolve and debug complex computer and Python issues during consulting hours, consistently providing support to students
- Deliver engaging and informative bi-weekly lab sections, empowering students to apply lecture concepts with confidence

Art Of Problem Solving, Virtual

Aug 2021 — Present

Teaching Assistant

- Supplement student learning experiences by answering student questions and providing real-time Python feedback
- Provide personalized feedback and guidance to students regarding their Python code, offering constructive suggestions

Cornell University HRL, Ithaca, NY

Aug 2021 — May 2022

Resident Advisor

- Promoted the development of relationships among 44 residents through residential hall and mentorship programs
- Managed administrative duties, including filing incident reports, creating maintenance requests, and budgeting for programs

Girls Who Code, Virtual

Jun 2021 — Jul 2021

Summer Immersion Program Teaching Assistant

- Supported the instructor in maintaining an engaging and accessible virtual classroom environment
- Co-hosted student office hours with another team member to review material and troubleshoot issues with student code

ORGANIZATIONS

Society of Women Engineers at Cornell (SWE), Ithaca, NY

Aug 2021 — Present

Communications Director

- Develop weekly newsletters for SWE's 2000+ subscribers, advertising opportunities in a timely and organized manner
- Oversee 3 sub-committees of the Communications team, leading monthly meetings, and directing the logistics and planning of the Student/Faculty Dinner, SWE's largest event of the semester
- Communicate proactively with the different directorships to streamline event planning, gaining exceptional interpersonal skills and the ability to collaborate with diverse teams