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: 3.3 / 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, UNIX Tools and Scripting

TECHNICAL SKILLS

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

PROJECTS

Multi-Threading Package · *C*   Sep 2023 — Present
- A user-level threading interface that utilizes thread and semaphore structures on the EGOs operating system
- Objective: implement data structures in C to expand understanding of non-preemptive CPU scheduling

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

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 complex computer and Python issues during consulting/office 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

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 member of the team 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