Christy Yuen

San Francisco Bay Area

📞 (415) 425-7343 | @ cyuen7@ucsc.edu | 🔗 linkedin.com/yuenchristy | 🔗 github.com/ChristyYuen

🏢 EDUCATION

University of California, Santa Cruz   September 2019 – June 2022
Bachelor of Science - Computer Science
Minor in Technology and Information Management
  Relevant Courses:
        Systems Analysis and Design, Computer Security, Computer Architecture, Game AI

⚙ TECHNICAL SKILLS

Languages: Proficient in C, C++, & Python; Familiar with HTML, CSS, JavaScript, and Java
Developer Tools: Jupyter Notebooks, Git, Google Cloud, VS Code, Linux (Ubuntu), MiniNet
Soft Skills: Technical Writing, Communication, Teamwork, Problem-Solving, Adaptable

>_ PROJECTS

Curl Command (Socket Programming) | *Python*   May 2022
- Created a custom Curl command using HTTP (TCP) and the socket interface.
- Successfully retrieved and downloaded web objects from a variety of public web servers.
- Implemented a logging system resulting in a 25% reduction in error rates.

YFIOB's (Non-Profit) Airtable | *AirTable*   March 2022 - June 2022
- Achieved a 50% in workflow efficiency with the AirTable implementation.
- Automated email communications and volunteer management with three custom solutions.
- Created a reference document to enable smooth transitions to AirTable for their employees.

D&D Companion | *JavaScript*   January 2022 - March 2022
- Designed and constructed the frontend interface using Adobe XD and React.
- Engineered with Node (backend proxy server) and SQL (user login data).
- Collaborated with the Product Owner, SCRUM master, and a team of 2 developers to successfully deliver the project using Agile SCRUM methodology.

Principles of Computer Systems Design Project | *C*   January 2021 - March 2021
- Engineered and executed a multi-threaded operating system kernel using C.
- Developed and incorporated a prioritized ready queue that supports both nested and chain priority donation, improving system efficiency and responsiveness.
- Deployed sophisticated process management, memory management, and thread scheduling features for optimal system performance.

Mini Basic Language Interpreter | *Smalltalk, Scheme, OCaml, and Perl*   March 2021
- Used functional programming and implementing Symbol tables for variable management.
- Programmed the interpreter with tail recursion while avoiding loops.
- Successfully parsing over 10,000 lines of intermediate language code with 99% accuracy.

Post-it Note-Taking App | *Python (py4web)*   March 2020
- Established user-based login functionality with secure database integration for access control.
- Crafted an intuitive and user-friendly note-taking interface for adding, deleting, customizing, and rearranging notes.

👥 ORGANIZATIONS

CodePath Intermediate Software Engineering | Student   Summer 2022
Team 5507 Robotic Eagles | Hardware Member   August 2016 - May 2017
Girls Who Code Summer Immersion | Student Programmer   Summer 2015