

Christy Yuen

San Francisco Bay Area

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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