JASPER CHENG

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Education

University of Connecticut   **Aug. 2021 – May 2025**
Bachelor of Science in Computer Science   *Storrs, CT*

Relevant Coursework

- Mobile App Dev.
- Intro to Software Engineering
- Intro to AI
- Cybersecurity Lab
- Systems Programming
- Intro to Computer Arch.
- Algorithms and Complexity
- Intro to Discrete System
- Data Struc and Obj-Orient Des

Experience

UConn Electronics Shop   **Jan. 2024 – Present**
Computer Programming Specialist   *Storrs, CT*

- Spearheading the development of an intuitive interface featuring 200+ engineering reference posters, enhancing project workflow for engineering students
- Implementing advanced hand gesture recognition using MediaPipes(MI) and a LSTM deeping learning model for seamless navigation within the interface

UConn School of Engineering   **Aug. 2023 – Dec. 2023**
Teaching Assistant   *Storrs, CT*

- Facilitated comprehensive lab and office hours, offering expert guidance on C programming concepts
- Conducted rigorous review sessions preparing students for examinations on intricate topics, including pointer manipulation, processes, threading, and sockets

TheCoderSchool   **Jun. 2023 – Aug. 2023**
Coding Instructor   *Farmington, CT*

- Delivered engaging coding sessions to students aged 9 - 15, fostering an understanding of programming concepts
- Developed meticulously structured lesson plans and projects tailored to students' varying levels of experience

UConn Engineering Technical Services   **Aug. 2021 – May 2023**
Lab Monitor   *Storrs, CT*

- Maintained a clean learning environment, ensuring optimal functionality of both hardware and software
- Professionally managed communication channels, providing timely solutions and messages

Projects

Course Registration | *VueJS, Python, Amazon Web Services, Auth0*   **Dec. 2023**

- Orchestrated the development of a sophisticated course registration web application frontend utilizing VueJS
- Engineered a robust backend infrastructure using AWS DynamoDB, Lambda, and API Gateway for seamless functionality
- Implemented Auth0 to fortify user authentication, ensuring a secure and streamlined experience
- Collaborated seamlessly within an Agile Scrum methodology, ensuring efficient sprints and consistent project progress

Leadership

Pi Delta Psi Cultural Fraternity   **Jan. 2023 – Jan. 2024**
Vice President   *UConn*

- Attained the highest rank of navy status fraternity ranking through strategic leadership and organizational development
- Oversaw minor board positions and conducted weekly meetings, fostering continuous growth and chapter development
- Led a chapter of 17 members in initiatives that significantly improved community service to 204 total hours, academic performance by 3.4 average GPA, and overall unity
- Executed philanthropic events resulting in 400 dollars raised

Technical Skills

Languages: Python, Java, Kotlin, C, HTML/CSS, JavaScript(NodeJS)
Developer Tools: VS Code, Amazon Web Services, Android Studio, Auth0, Figma
Technologies/Frameworks: Linux, GitHub, VueJS