

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 – May. 2024

Computer Programming Specialist

Storrs, CT

- Spearheaded the development of an intuitive interface featuring 200+ engineering reference posters, enhancing project workflow for engineering students
- Implemented 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

Projects

Inventory Management Tracker | *React, NextJS, Material UI, Firebase, Vercel, GPT Vision*

Jul. 2024

- Developed a CRUD application for inventory management using React, Material UI, and Google's Firebase
- Implemented a camera feature powered by GPT Vision, providing an alternative input method

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