

# Lennon Cruz

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## EDUCATION

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### University of California, Davis

*Bachelor of Science in Computer Science*

Dec. 2022

GPA: 3.511

## EXPERIENCE

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### Computer Science Instructor

Jul. 2022 – Present

*Juni Learning*

*Remote*

- Worked directly with students from ages 8-13 weekly, teaching online private coding courses in Python, PyGame, and Scratch
- Simplified complex Computer Science problems tailored to each students' best method of learning to help build a strong programming foundation

### Web Developer Intern

Oct. 2022 – Dec. 2022

*Language Center, UC Davis*

*Davis, CA*

- Developed interfaces for web application using ReactJS and ExpressJS frameworks
- Working with two other web developer interns to develop EyeVocab, a cloud-based, open-source digital vocabulary program

### Backend Developer

Oct. 2021 – Apr. 2022

*#Include at Davis*

*Davis, CA*

- Developed API calls for a Recipe App using Express, Node.js, and the Edamam API, in collaboration with three frontend developers
- Collaborated with three backend developers to develop the New Viet Nam Studies Initiative's (NVSI) website, utilizing Node.js, Strapi CMS, Heroku, and Cloudinary

## PROJECTS

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### Socket Programming: DNS | *Python*

June 2023

- Utilized Python's Socket API to implement a DNS Client and Server from scratch
- Implemented DNS protocol specifications, including DNS queries and responses, enabling effective communication with DNS servers
- Enhanced the DNS server with caching functionality to optimize response times and reduce network traffic by storing previously resolved queries

### Reclaim | *Unity, C#*

June 2022

- Collaborated with six developers to create a Combat based Rhythm game within the Unity Game Engine
- Implemented a sound engine to properly play sound effects and music throughout each level and sequence
- Setup inputs to navigate dialogue and enable movement during sidescrolling portions of the game, along with optimization of input timing for rhythm portions of the game

### NVSI Website | *Strapi, JavaScript, Heroku, Cloudinary, Next.js, Vercel, Git*

Apr. 2022

- Spearheaded the development of a dynamic website as a proficient backend developer for the New Viet Nam Studies Initiative (NVSI), implementing diverse content-types within the robust Strapi Content Management System
- Orchestrated seamless deployment of the Strapi Content Management System on Heroku, while managing media uploads to Cloudinary.
- Fostered collaborative synergy with backend developers, contributing to the creation and optimization of query functions, effectively bridging the gap between backend and frontend systems.

## TECHNICAL SKILLS

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**Languages:** Python, C++/C#/C, JavaScript, HTML/CSS

**Frameworks:** Node.js, Next.js, Express, React, Strapi, Heroku, Cloudinary, Vercel

**Relevant Coursework:** Programming, Object-Oriented Programming, Data Structures, Web Programming, Algorithm Design & Analysis, Computer Architecture, Machine Dependent Programming, Discrete Math for CS, Probability & Statistics Modeling for CS, Operating Systems, Programming Languages, Human-Computer Interactions, Computational Linguistics, Computer Networks, Gameplay Programming