

# 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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**Web Developer Intern**  
*Language Center, UC Davis*

Oct. 2022 – Dec. 2022  
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**  
*#Include at Davis*

Oct. 2021 – Apr. 2022  
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

**Computer Science Instructor**  
*Juni Learning*

Jul. 2022 – Present  
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

## 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 sidescrolling portions, along with optimization of input timing for rhythm portions of the game

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

Apr. 2022

- Developed website as a backend developer for the New Viet Nam Studies Initiative (NVSI), creating various content-types for the Strapi Content Management System
- Setup deployment of the Strapi Content Management System onto Heroku and handled media uploads to Cloudinary
- Collaborated with backend developers in creating query functions to connect backend with frontend

## 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