

Nicole Ly

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EDUCATION

University of California, Irvine

Irvine, CA

Bachelor of Science in Computer Science, Minor in Statistics

Sep. 2022 – May 2026

- GPA: 3.71/4.0
- Programming Languages: Python, C++, HTML/CSS, SQL
- Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Machine Learning & Data Mining

EXPERIENCE

Information Technology Intern

June 2024 – September 2024

EasterSeals

Irvine, CA

- Automated a workflow using Power Automate, Power App, and Power FX to schedule meetings within Microsoft Teams channels, improving efficiency for 100+ employees.
- Developed a dashboard on PowerBi integrating Ninja One and Excel providing real-time insights and analytics for improved decision-making.
- Developed a chatbot through Copilot Studio to address iPad specific inquiries and issues, used organization wide.
- Engineered prompt solutions that significantly optimized Copilot's performance and reliability, resulting in a 20% reduction in processing time for automated tasks and improved user satisfaction.

Teacher

Sep. 2021 – Sep. 2023

iFocus Learning Center

Rosemead, CA

- Instructed a classroom of 12+ students in Math, English, and Writing.
- Tailored each student's learning plans to cater to their learning styles and their strengths and weaknesses.
- Created spreadsheets of students' works and grades for clear and effective communication to parents.

PROJECTS

Chatbot | Python, Tensorflow, Keras, Numpy, Git

July 2022 – August 2022

- Developed a chatbot using a neural network architecture implemented aimed at assisting students in overcoming procrastination.
- Prepared my own dataset from student procrastination-related discussions on Reddit.
- Implemented and fine-tuned the model to interpret user inputs effectively and generate appropriate responses based on predicted conversation tags.
- Achieved an accuracy rate of 62% in correctly responding to user queries.

Personal Website | HTML, CSS, Bootstrap, JavaScript

June 2022 – July 2022

- Developed a personal website from scratch.

Text-To-Speech | Python, MongoDB, Google's TTS API

June 2022 – May 2022

- Extracted lecture notes from a professor's website and converted them into speech.
- Developed a web scraping script using Request and LXML Python Library.
- Cleaned and created a script to translate the raw text to MP3 files.
- Utilized a MongoDB cluster with PyMongo to store the generated MP3 files and raw text data.

LEADERSHIP & INVOLVEMENT

Design@UCI | Project Lead

September 2023 – November 2023

- Led a team of 4 in designing a shopping website hosting only sustainable brands for a Figma-focused hackathon.
- Conducted customer surveys with UCI students to gather pain points and create data visualizations.
- Created animations to increase accessibility by displaying the actions of adding items to cart, checking out, and browsing the website.

Design@UCI | Industry Outreach Committee Member

September 2023 – June 2024

- Collaborated with a cross-functional team to host UCI's 2024 Design-A-Thon.
- Connected with industry professionals from companies like Uber to recruit companies for sponsorships and judges.