

# Xiaoxuan (Andrina) Zhang

San Diego, CA | (858) 319-9393 | [xiz031@ucsd.edu](mailto:xiz031@ucsd.edu) | <https://www.linkedin.com/in/andrina-zhang/>

I'm a 3rd year student majoring Machine Learning & Neural Computation with a deep interest in Interdisciplinary Computing Arts & Music and their effects to the world. Staying excited for new challenges, striving to explore new horizons, bringing aesthetics to life through programming. My personal website is <https://andrinazxx.github.io/>.

## EDUCATION

### University of California, San Diego

Bachelor of Science in **Machine Learning and Neural Computation**  
Bachelor of Arts in **Computer Music and Music Technology**  
Minor in **Computer Science and Engineering**

September 2020 – Expected June 2024

Overall GPA: 3.87

Major GPA: 4.0

## EXPERIENCE

### University of California – San Diego, La Jolla, California

#### Machine Learning Intern / WebDev, Qualcomm Institute / Calit2 at UC San Diego

June 2022 – Present

Sonic Arts Research & Development

- Web development: utilizing CMS platform and HTML to construct and maintain <https://sonicarts.ucsd.edu/>
- Data generation and analysis: creating web scraping tools in Python; using MATLAB to work on HRTFs codes and databases.
- Computer Vision and machine learning: ongoing project.

#### Senior Student Affair Programming Assistant, UC San Diego – Sixth College

June 2022 – December 2022

- Led a team of 6 ambassadors, held training sessions, coordinated training sessions with the Dean.
- Planned and executed 9 events for new UC San Diego Sixth College students.

#### Project Manager, Cognitive Science Department

March 2022 – June 2022

- Designed research operations and scenarios on Cheerleader Effect.
- Designed Visuals: Used Adobe Photoshop to create 20 sets of stimuli, 120 individual stimuli in total.

#### Python Tutor / Instructional Assistant, Cognitive Science Department

Course: COGS 18 - Introduction to Python

January 2021 – March 2022

### GlaxoSmithKline (GSK), Shanghai, China

January 2021 – June 2021

#### E-Commerce Marketing VMS Intern

- Participated in three top-tier E-commerce holiday campaigns on Taobao and Jingdong Mall – the top two e-commerce platforms in China.
- Collected and analyzed data to provide consumer insights from E-commerce campaigns.
- Created and helped with the productions of various marketing materials.
- Interacted with third party companies and the ProMotion system; coordinated and attended meetings; gathered information.

### Signify N. V. (Philips Lighting N.V.), Shanghai, China

September 2020 – November 2020

#### Digital Marketing Intern

- Production management and content creation.
- Collaboration with the engineers to shoot the videos for the products.
- Production of 12 tutorial videos that are designed for customers over the globe.

### Content Creator, Shanghai, China

March 2018 – August 2020

Freelance video producer during my high school years:

- Made 51 videos in total (excluding all of the commercial videos I made).
- Gained 317k+ views on Weibo; 195k+ views on Bilibili (Most-viewed video: 92k views).

## SKILLS

<b>Programming Skills</b>	Python, Java (OOP, TDD), C, MATLAB, Pure Data, HTML/CSS, JavaScript, LaTeX
<b>Machine Learning</b>	PyTorch, TensorFlow, Keras, deep learning, CNN, KNN, PCA, SVM, MOG, k-means, spectral clustering
<b>Production</b>	Ableton Live (Production, Mixing & mastering), Pro Tools, Pure Data, Final Cut Pro
<b>Soft Skills</b>	Leadership, Critical thinking, Collaboration in teams / with team leads, detail oriented, time management

## PROJECT HIGHLIGHT (More projects on my website: <https://andrinazxx.github.io/>)

### Music Genre Classification implementing kNN, SVM, CNN and RNN

April 2023 – June 2023

- Led a team of 5, organized the meetings and frequently met the professor and the teaching assistants.
- Applied Exploratory Data Analysis and Data Visualization skills.
- Implemented the Convolutional Neural Network. Tested the algorithm and fine-tuned the hyperparameters on Cuda.

## ORGANIZATIONS

- Triton NeuroTech at UCSD (Jacobs School of Engineering), in **Prosthetics – Machine Learning team** [March 2023 - present]
- Project in Box at UCSD (UC San Diego Jacobs School of Engineering), **Project committee** [October 2022 - present]
- Cognitive Science Student Association at UCSD, **Digital Content Production Chair** [May 2022 – present]