

# ZIFAN ZHOU

330 De Neve Dr, Los Angeles, CA, 90024

☎ 347-423-1030

✉ [zzhou25@ucla.edu](mailto:zzhou25@ucla.edu)

🌐 [linkedin.com/in/zifan-zhou-a4009612b/](https://www.linkedin.com/in/zifan-zhou-a4009612b/)

🐙 [github.com/zifanzhou1024](https://github.com/zifanzhou1024)

## Education

### University of California, Los Angeles (UCLA)

Sep. 2021 – Present

*Bachelor of Science in Computer Science and Engineering*

*Los Angeles, CA*

GPA: 3.961/4.0; Dean's Honors List (Fall, 2021); Louis Levoy Engineering Scholarship (Winter & Spring, 2022)

### Raritan High School

Sep. 2017 – Jun. 2021

*High School Diploma*

*Hazlet, NJ*

Unweighted GPA: 97.008; Weighted GPA: 107.423/100; Class Rank: 1/228

## Relevant Coursework

- Introduction to Computer Science
- Data Structures
- Deep Learning for Computer Vision
- Introduction to Discrete Structures
- Calculus of Several Variables
- Linear Algebra

## Experience

### ACM at UCLA

September 2021 - Present

*Member*

*Los Angeles, CA*

- Joined ACM ICPC and committed 10 hours weekly on algorithm and data structure training
- Joined ACM AI to learn the basics of AI and committed time to Computer Vision project
- Joined ACM AI Projects and worked on image recognition of whales

### Technology Student Association at Raritan High School

Sep 2020 – June 2021

*President*

*Hazlet, NJ*

- Developed skills to organize events and coordinate groups to various projects for competitions
- Incorporated PyTorch with CNN to analyze image data
- Utilized Github to log and control the flow of projects
- Explored ways to visualize data output through MATLAB and PyTorch

## Projects

### Autonomous Driving | *PyTorch, Computer Vision*

January 2022 - March 2022

- Reproduced *Learning to drive from a world on rails*, a high-ranked model on CARLA Leaderboard
- Added LiDAR input to the original model to make the self-driving prediction more accurate
- Created a Google Colab Demo containing EgoModel as well as ResNet34 and Image Segmentation part of the model

### Machine Learning of Image Recognition | *PyTorch, Python, PyCharm*

January 2021 - May 2021

- Examined multiple datasets, including MNIST and CIFAR-10
- Analyzed multiple publications on top conferences to establish the desired model to optimize
- Learned how to improve the accuracy and speed of Machine Learning algorithms through multiple experiments

## Technical Skills

**Languages:** Python, Java, C++

**Developer Tools:** VS Code, Eclipse, CLion, IDEA, PyCharm, Android Studio, MATLAB, Google Colab

**Technologies/Frameworks:** Linux, GitHub, PyTorch, TensorFlow

**Machine Learning:** Computer Vision, Autonomous Driving, Reinforcement Learning, Human-in-the-loop Machine Learning