Jiawen Xu

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EDUCATION

University of California, San Diego
La Jolla, CA
BS/MS Computer Engineering Candidate (Expected graduation Jun 2023)
- **GPA:** 4.0

DE ANZA COLLEGE
Cupertino, CA
2-year program for Transfer Computer Science
- **GPA:** 3.92

EXPERIENCE

IDEA ENGINEERING STUDENT CENTER, San Diego, CA
Research Scholar, Sep 2021 - Present
- Developing deep learning models to forecast the motion of autonomous vehicles
- Training a set of 205,942 scenes, each with trajectories recorded at 10Hz
- Forecasting 3 seconds of trajectory sequences given 2 seconds input sequences for 3,200 test scenes

JACOB SCHOOL OF ENGINEERING, UCSD, San Diego, CA
Instructional Assistant, Sep 2021 - Present
- Leading discussion sections, tutorials, and laboratory sections
- Scheduling and maintaining regular office hours to meet with students
- Grading assignments and giving programming instructions

WIRELESS COMMUNICATION, SENSING AND NETWORKING GROUP, UCSD, San Diego, CA
Wireless Communication Lab Assistant, Jul 2021 - Present
- Implementing 5G communication network and channel estimation using SDK such as cuBB/cuPHY with C++
- Generating test vectors with MATLAB processing yaml format configuration file
- Generating documentations and meeting summary

DEPARTMENT OF COMPUTER INFORMATION SYSTEMS, DE ANZA COLLEGE, Cupertino, CA
Teaching Assistant, Apr 2020 - Jul 2020
- Lead discussion sections, tutorials, or laboratory sections.
- Schedule and maintain regular office hours to meet with students

PROJECT EXPERIENCE

- Designed a video game with SFML and STL in C++
- Implemented SHA-256/Bitcoin Hashing with RTL design using SystemVerilog

SKILLS

- Theoretical Knowledge: Object-Oriented Programming, Data Structure and Algorithm, Linux/Unix Operations, ASCI/FPGA Design, Digital Processing
- Programming Language: C/C++, Java, SystemVerilog, Python , Matlab, Shell Scripting
- Software Usage: Visual Studio, Ubuntu, Quartus, Eclipse, Python Shell, ModelSim, Matlab