

# Jenelle Truong

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## **EDUCATION**

### **University of California, San Diego**

*Expected Graduation Date: Jun 2024*

- Bachelor of Science, Computer Science with a Specialization in Bioinformatics
- Incoming IEEE-HKN Secretary

3.93 GPA

## **SKILLS**

- Programming: Java, C/C++, Python
- Technical: LaTeX, Bash, Git, Jupyter Notebook

## **WORK EXPERIENCE**

### **UC San Diego Computer Science and Engineering**

#### *Undergraduate Researcher - Early Research Scholars Summer Program (ERSP)*

*June 2022 - Present*

- Collaborate with three other students to sandbox the third-party C library libjpeg in Tensorflow by applying the RLBox API and evaluate performance overheads of sandbox mechanism through Image Compression benchmark suite
- Communicate with group members, faculty advisor, and ERSP staff to coordinate schedules and meetings

#### *Tutor for CSE 20: Discrete Mathematics*

*Mar 2022 - Present*

- Host office hours and one-on-one appointments to help over 350 enrolled students better understand course material
- Act as the liaison between course staff and individual students to communicate AI violations, OSD accommodations, and other student affairs

#### *Undergraduate Researcher - Early Research Scholars Program (ERSP)*

*Sept 2021 - May 2022*

- Collaborate with three other students to sandbox the third-party C library libjpeg in Tensorflow by applying the RLBox API and evaluate performance overheads of sandbox mechanism through Image Compression benchmark suite
- Communicate with group members, faculty advisor, and ERSP staff to coordinate schedules and meetings

#### *Project Mentor - Summer Program for Incoming Students (SPIS)*

*Aug 2021 - Sep 2021*

- Assisted 53 incoming freshmen with algorithmic program-solving, fundamental computer science concepts, and machine learning projects in Python
- Fostered professional and personal growth of four student mentees by providing direct feedback on submitted work, encouraging collaboration, and creating a welcoming environment to UCSD

### **UC San Diego School of Medicine**

#### *Undergraduate Research Volunteer - Rosenfeld Lab*

*Sep 2020 - Jan 2021*

- Performed analysis on genomic data generated from next-generation RNA sequencing experiments to identify motifs and candidate cis-regulatory elements
- Visualized data using the respective Python and R libraries matplotlib and ggplot2

## **PROJECTS**

### **Sentiment Analysis of COVID-19 Tweets Using a Recurrent Neural Network**

- Developed a Python script using the Twitter API to collect 1000 of the most recent tweets related to coronavirus to study social media conversations about the COVID-19 pandemic
- Utilized Tensorflow Keras and the NumPy and Pandas libraries for text preprocessing and creation of a RNN model