

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 for the 2022-23 academic year

3.92 GPA

SKILLS

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

WORK EXPERIENCE

UC San Diego Computer Science and Engineering

Undergraduate Researcher - Summer Early Research Scholars Program (ERSP)

June 2022 - Present

- Manipulate data and visualize statistical information utilizing the **Python NumPy, Pandas, and Matplotlib libraries** to study the respective online discussions surrounding mental burnout and problem gambling
- Implement machine learning classification models, such as SVM, logistic regression, random forest, and BERT, through the **Python sklearn library**
- Lead team of three other undergraduate students by providing guidance to navigate the challenges of research and overseeing progress of project on burnout discourse
- Presented current progress on burnout discourse project at the UCSD Summer Research Conference

Instructional Assistant

Mar 2022 - Present

- Currently tutoring Advanced Data Structures and previously tutored Discrete Mathematics
- Host office hours and one-on-one appointments to help over 350 enrolled students better understand course material and develop the necessary problem solving skills for programming assignments in **C++**

Undergraduate Researcher - Early Research Scholars Program (ERSP)

Sept 2021 - May 2022

- Collaborated with three other students to sandbox the third-party **C libjpeg library** in Tensorflow by applying the RLBox API and evaluated performance overheads of sandbox mechanism through Image Compression benchmark suite
- Presented poster at the Jacobs School of Engineering Undergraduate Research Symposium and ERSP National Conference

Project Mentor - Summer Program for Incoming Students (SPIS)

Aug 2021 - Sep 2021

- Aided 53 incoming freshmen with algorithmic program-solving, computer science fundamentals, 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

- Analyzed genomic data generated from next-generation RNA sequencing experiments through **Bash scripts** to identify motifs and candidate cis-regulatory elements
- Visualized data using the respective **Python and R libraries matplotlib and ggplot2**

PROJECTS

Personal Website @ jenelle-truong.github.io

- Designed personal website using vanilla **HTML, CSS, and Javascript** and **Bootstrap library** for icons as web fonts to learn fundamental technologies used in front-end development