

# 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 3.92 GPA
- Incoming IEEE-HKN Secretary for the 2022-23 academic year

## 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 evaluate 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 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