

# Jenelle Truong

jenelletruong138@gmail.com | (858)776-9879 | github.com/Jenelle-Truong/ | linkedin.com/in/jenelle-truong | jenelle-truong.github.io

## EDUCATION

### University of California San Diego

3.92/4.00 GPA

Bachelor of Science, Computer Science with a Specialization in Bioinformatics

Expected Graduation Date: *Jun 2024*

## WORK EXPERIENCE

### UC San Diego Computer Science and Engineering

*Undergraduate Researcher - Computing for Social Good Lab*

*June 2022 - Present*

- Manipulate and visualize data utilizing the **Python NumPy, Pandas, and Matplotlib libraries** to study Reddit discourse surrounding mental burnout
- Implement machine learning classification models, such as SVM, logistic regression, and random forest, through the **Python sklearn library**
- Lead team of four other undergraduate students as first author of the project on burnout discourse

*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 learn fundamental data structures and debugging skills in **C++**

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

*Sep 2021 - May 2022*

- Collaborated with three other students to sandbox the third-party **C libjpeg library** in Tensorflow through the RLBox API
- 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 and computer science fundamentals 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](https://jenelle-truong.github.io)

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

## LEADERSHIP

### IEEE Eta Kappa Nu (HKN)

*Sep 2022 - Present*

*Secretary*

- Oversee social media and email communication for IEEE Eta Kappa Nu, reaching 900+ inductees, members, and alumni

## SKILLS

- Programming: Java, Python, C/C++, HTML, Javascript, CSS
- Technical: LaTeX, Unix (Bash), Git, Jupyter Notebook, JUnit, Valgrind