

# Jenelle Truong

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

## EDUCATION

University of California San Diego

3.93/4.00 GPA

Bachelor of Science, Computer Science

Expected Graduation: Jun 2024

- Leadership: IEEE Eta Kappa Nu (IEEE-HKN) Secretary 2022-2024
- Coursework: Advanced Data Structures, Human-Computer Interaction Design, Software Tools & Techniques, Statistical Methods, Discrete Mathematics, Recommender Systems & Web Mining

## EXPERIENCE

### UC San Diego Information Technology Services

Full-Stack Software Engineering Intern

Jan 2023 - Present

- Build and unit test dynamic web application using **Java EE** technologies, **Spring**, **HTML**, **JavaScript**, and **Bootstrap** that allows 30,000+ students to set their name preferences on university documents
- Modernize client library to consume new **REST API** endpoints, reducing code redundancy across 6+ applications
- Investigate tickets, diagnose production issues through cross-team collaboration, and present solution to customer

### UC San Diego Computer Science and Engineering

Research Assistant

Jun 2022 - Jan 2023

- Oversaw team of six other students in the Computing for Social Good Lab on a natural language processing (NLP) project by delegating tasks and mentoring students without previous research experience
- Developed a **modular machine learning pipeline** through sci-kit learn, streamlining the feature engineering, training, and hyperparameter tuning process for supervised learning models across two respective projects
- Wrote Python scripts using NumPy, pandas, NLTK, and Matplotlib to perform **exploratory data analysis** on 250,000+ Reddit posts sourced through the Pushshift API and from BigQuery
- Presented project insights at UCSD Summer Research Conference and advised new researchers at panel events

Instructional Assistant

Mar 2022 - Dec 2022

- Taught fundamental data structures, discrete mathematics concepts, and command-line debugging skills for C++ programs during office hours and appointments, receiving a **100% recommendation rate** from student feedback
- Collaborated with teaching staff to administer test accommodations and organize grading efforts for 350+ students

## PROJECTS

Hello Journal Web Application | <https://github.com/Jenelle-Truong/Hello-Journal>

- Implemented **Node.js** API endpoints connected to a **MongoDB** cloud instance using **Express.js** and **Mongoose** that permit users to create, read, and update daily journal entries
- Leveraged a **HuggingFace** transformer model to perform server-side sentiment analysis on previous entries and generated client-side visualizations of historic mood trends using **React** Recharts components
- Engineered custom React components with Material-UI and Formik to render entries upon date selection changes

## SKILLS

- Languages: Java, Python, JavaScript, C/C++, HTML, CSS, Bash
- Frameworks: Spring, Express.js, Bootstrap
- Libraries: JUnit, pandas, NumPy, scikit-learn, Matplotlib, NLTK, React, Mongoose, Material-UI
- Tools: Postman, Git, Subversion, BigQuery, Jira