




# Sneha Naren

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## EDUCATION

### University of California, San Diego B.S, Cognitive Science

Specialization: Machine Learning and  
Neural Computation

Minor: **Computer Science**

GPA: 3.47 | Graduating June, 2020

## SKILLS

**Languages:** Java, C++, Familiar with  
Python

**Other:** JUnit Testing, Git, Linux/Unix,  
Data Structures, Matlab

## PROJECTS

### BPM Calculator

Created an app to calculate the beats per  
minute (BPM) of any song. Written in  
Java and JavaScript.

### Number Recognition App

Built an app in Python to recognize  
handwritten numbers, using a machine  
learning algorithm.

### Gradescope Grading Script

Wrote various grading scripts used to  
grade over 150 assignments weekly in  
UCSD's introduction to Java course. The  
scripts were written in Python and run on  
the gradescope website.

## ACTIVITIES

Design at UCSD · Cognitive Science  
Student's Association · Musician's Club ·  
Society of Women Engineers · Women in  
Computing

## EXPERIENCE

### UCSD CSE Department

San Diego, CA

*Tutor*

April 2018 – Present

- Tutor over 400 students cumulatively in two of UCSD's most popular computer science courses, covering diverse programming concepts such as data structures, bit manipulation and essential Java syntax
- Lead discussion sessions to help students visualize and solidify their knowledge of relevant course material
- Aid students in their weekly programming assignments to complete projects and achieve code functionality
- Collaborate with other tutors to create weekly lab projects, thereby writing both starter code and reference solutions.
- Work actively to debug students' code virtually through Piazza, an online discussion board

### Cognitive Development Lab

San Diego, CA

*Research Student*

April 2018 – June 2018

- Conducted EEG experiments to test for cognitive and social developmental trends in infants and children, involving the capping of subjects and setting up video and audio equipment to ensure precise data collection
- Coded and analyzed over 50 hours of experiment footage using behavioral coding techniques in ELAN
- Spearheaded a data management project consisting of encoding timestamps, trials and file paths on Excel, saving lab members multiple hours weekly on data analysis and minimizing the possibility of untraceable data and trials
- Engaged in weekly discussions with lab peers and professors about different electrophysiological research papers

### Prospect Journal

San Diego, CA

*Staff Writer*

April, 2017 – May 2018

- Published articles read by individuals from 40+ countries, focusing on political changes and international relations
- Filmed and independently edited a documentary featuring interviews with UCSD students affected by the travel ban, ultimately generating views on multiple social media platforms such as Facebook and YouTube
- Met with a design team to improve web design and advertising to increase traffic for the journal's website