

JASANPREET PANDHER

✉ jasanpreet@g.ucla.edu ☎ (805)-915-7957 in www.linkedin.com/in/jasanpreetpandher/

EDUCATION

University of California, Los Angeles
B.S. Electrical Engineering

Sept. 2018 - June 2022

EMPLOYMENT

RippleMatch, Leadership Development Intern

July 2020 - Current

- Selected from a pool of thousands of candidates to work directly with the RippleMatch team
- Leveraged various growth strategies and tools including email, social media, presentations, and peer and faculty networking to grow the user base and awareness on campus

Southern California Edison, Integrated Work Planning Intern

June 2020 - Current

- Wrote VBA code to optimize and automate project change notifications in centralized team Excel files
- Utilized knowledge of power systems to make informed changes requested for different projects
- Used SQL to create and filter tables with the relevant identification data needed for Transmission and Distribution investments

UCLA Nanoscale Transport Research Group, Undergraduate Researcher

June 2019 - Mar. 2020

- Worked with LabVIEW, NI Vision Software, NI controllers, relays, and PID Control to set up a testing system for a thermal test vehicle
- Used NumPy and SciPy libraries in Python to optimize heater dimensions for a thermal test wafer

UCLA Electrical Engineering Department, Stockroom Assistant

Oct. 2018 - Mar. 2020

- Assembled 100-150 lab kits every quarter for students in electrical engineering laboratory courses
- Assisted professor during lab courses by handling the stockroom supply of electrical components to ensure maintenance and organization

Simi Valley Conserves, Energy Ambassador

Jan. 2017 - June 2017

- Conducted personalized in-home consultations for city residents on how to reduce their utility bills costs
- Worked with city officials, local library staff, and school district administration to carry out promotional community outreach events

ACTIVITIES

IEEE Women Advancing Technology Through Teamwork (WATT), Technical Workshops Chair/ Vice President

May 2019 - Current

- Design and run monthly technical workshops for groups of 20-30 people
- Work with UCLA Electrical Engineering department, as well as other UCLA engineering organizations, to form collaborations, secure funding, and grow our community

Physics Mechanics Laboratory, Learning Assistant

Aug. 2019 - Sept. 2019

- Assisted students with circuits and C programming for Arduino projects related to mechanics
- Worked with the section Teaching Assistant to assess student performance on lab assignments

PROJECTS

IEEE Open Project Space

Oct. 2018 - June 2019

- Completed various projects throughout the year such as a speaker that plays 3 distinct note frequencies, distance sensor, radio communication using Arduino, and a line tracking robot using PID control

Speakly (LA Hacks 2019)

Mar. 2019 - Mar. 2019

- A public speaking assistant program powered by Google's Vision, Speech-to-Text, and Natural Language APIs
- Winner of Best Use of Google Cloud API Challenge

Lost and Found (Idea Hacks 2019)

Jan. 2019 - Jan. 2019

- An Arduino based gadget designed to be attached to an item and pinged in the case the item goes missing

JPL Open Source Rover

Jan. 2018 - May 2018

- Created a scale model of the Mars Curiosity Rover in partnership with JPL

SKILLS

Python C/C++ Java OOP SQL HTML LabVIEW Arduino Soldering Microsoft Office Adobe: Photoshop, Lightroom, InDesign