

JULIA SUTEDJO

Biomedical Engineering Student - Sophomore

CONTACT

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🌐 www.linkedin.com/in/julia-sutedjo

SKILLS

Solidworks CAD

Matlab

Python

Cell Culture

Plasmid Purification

Effective Communicator

EDUCATION

UC Davis

Biomedical Engineering Student

2022-2026 GPA 3.90

Member of & Actively participates in:

- Biomedical Engineering Society (BMES)
- B-Hours Engineering Group
- Society of Manufacturing Engineers
- UC Davis Tennis Club/Travelling Team

Long Beach Poly High School

Pace Program - a Premier College-Prep Program - Nationally Recognized

2018-2022

Accomplishment:

- Valedictorian
- Varsity Tennis Team Captain
- Chamber Orchestra Violinist
- Tennis Club President

INTERESTS

Artificial Intelligence

Jigsaw Puzzles

Crossword

3D Puzzles

EXPERIENCE

Undergraduate Researcher

February 2023-Present

The Tian Laboratory - Optical Neurophysiology - UC Davis

- Helps to optimize the neuromodulator sensors for Glutamate
- Hands-on-work with transforming virus/bacteria, miniprepping (isolating DNA) of plasmids, picking colonies of bacteria, and optimizing/coding an automated protocol (opentrons)

Artificial Intelligence Division

August 2023-Present

Nobelmind, Inc - Healthcare/AI Startup Company - Lafayette, CA

- Fostering the development and implementation of an AI system trained with millions of patient data for fully automating personalized diagnoses and treatment recommendations.
- Engage in cooperation with skilled developers to handle data and train expansive language models.

Clinica Tepat Project

January to May 2023

B-Hours Engineering Group - UC Davis

- Partnered with a local clinic to assess their challenges and devise a project plan to solve.
- Created Meducate a 3D diagram to showcase the effects of diseases commonly misunderstood at the clinic

Participant in Annual BMES Make-a-Thon

January 2023

Biomedical Engineering Society - UC Davis

- 48-hour medical device design competition. Presented the project to Medtronic Representatives and BMES members.
- The prompt was to create a device to organize/reduce tangling for NICU patients

Program Director

2018-2022

ACEing Autism

- 100+ volunteered hours to teach children with autism how to play tennis and to have fun playing the game,
- Managed the program, marketed to ABA clinics, cold calling and led on court sessions

HONORS AND AWARDS

UC Davis Alumni Association Leadership Scholarship Award

September 2022 and September 2023

Engineering Dean's Honor List

Fall 2022, Winter 2023, Spring 2023

Long Beach Bar Association Scholarship Award

July 2022

State of California Senate Certificate of Recognition

July 2022