

# Tai (P) Nguyen

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## EDUCATION

**University of California, San Diego**

**B.S, Computational Physics**

Expected June 2022

- GPA: 3.6/4.0
  - Provost Honors
  - Relevant Coursework: Error Analysis Class, Basic Data Structure class, and Introduction to Lagrangian Mechanics course
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## Relevant EXPERIENCE

**Salk Institute, La Jolla, CA**

**February/2020-Present**

**Volunteer Researcher**

- Taught myself Python code in order to finish a project started by a Post-Graduate that became a critical finding in the research project
- Created a high level numerical representation of how a network of neurons behave in order to potentially provide a simplified model of how actual neurons work
- Discovered with UCSD Physics Professor, Tatyana Sharpee that some neurons had to be unbalanced after many failed trials of symmetrically balanced neurons

**UC San Diego, La Jolla, CA**

**September/2019–Present**

**Supplemental Instruction Leader**

- Lead 40 students to increase their grades by 1/3 of a letter on average
- Would work 10 hours a week to plan and carry out intensive study sessions that would band together students and help them succeed.
- Successfully compressed 10 weeks of content in a single 3 hour session

**UC San Diego, La Jolla, CA**

**March 2021**

**SPS Hackathon 2021 Member**

- Received 2<sup>nd</sup> place out of 15 teams on my Hackathon Project
- Spent 24 hours building a computer model with 7 decks of playing cards

**UC San Diego, La Jolla, CA**

**April 2021**

**Datahacks 2021 Member**

- Utilized Google Cloud's Natural Language API on Jupyter Notebook to religious texts based on how positive or negative their words sounded.
  - Cooperated with a team of 4 to make an extensive report on the relation between the 3 books of Hebrew and how it developed.
  - Ended up making the conclusion that Buddhism seemed to have the most negative words compared to all the other religious texts.
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## SKILLS

- Technical skills: Java, Python, and MATLAB
- Language: Proficient in English and Spanish
- Public Relations Director of Acappella Choir
- Public Relations member of Society of Physics Students at UCSD