

Taylor Nguyen

Aspiring data scientist looking for internships

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Education

California Polytechnic State University, San Luis Obispo Graduating June 2023
Bachelor of Science in **Mathematics** | GPA: 3.88 | Junior Standing

Relevant Coursework: Methods of Proof, Linear Algebra I-II, Data Structures, Project-Based Object-Oriented Programming, Differential Equations, Probability & Simulation, Public Speaking

Technical Skills

Languages	Python, Java, HTML/CSS, SQL
Tools	Microsoft Excel, Git(Hub)

Programming Projects

CSAI Swanton Pacific Ranch chatbot | Python 12/2020 – 04/2021
Cal Poly | San Luis Obispo, CA

- Explored ways to enable the chatbot to handle uncommon & non-English words
- Researched **Levenshtein Distances/Fuzz Matching algorithms** with a peer to manually handle phrases that the speech-to-text engine does not recognize well
- Assisted with web development in the voice assistant's desktop version

CPE 203 Object-Oriented Programming Project | Java 09/2020 – 12/2020
Cal Poly | San Luis Obispo, CA

- Refactored the source code **by identifying classes with low cohesion** and splitting these classes into **separate classes exhibiting high cohesion**
- Eliminated duplicated variables and methods, and organized them into a hierarchy of abstract classes
- Implemented the **A star and Single-Step pathing algorithms**

Leadership and Involvement

Computer Science & Artificial Intelligence (CSAI) | Tech Officer 10/2019 – present
Cal Poly | San Luis Obispo, CA

- Updating the club website with contact, project, and meeting information with Javascript
- Familiarized 3 new club members with GitHub and various technologies

Venturing Crew 299/BSA Troop 901 | Eagle Scout 09/2014 – 09/2019
Boy Scouts of America | Garden Grove, CA

- Organized a planting community service project, **fundraised over \$1000 selling fish cakes**, and **led over 30 Scouts** to help beautify my city's planter with myoporum groundcover
- Collaborated with **10 other team officers** to prepare weekly Scouting activities
- Communicated with Scouting advisors and fellow Scouts to ensure all camp gear and other necessary tools were accounted for