

Jordan Chen

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EDUCATION

University of California San Diego, La Jolla, California, CA

September 2025 — Present

B.S in Mathematics Computer Science, Minor in Data Science & Cognitive Science

GPA: 4.0/4.0

WORK EXPERIENCE

Sanford Burnham Prebys | *Research Intern*

January 2026 — Present

- Analyzed neuronal spike-train and connectivity data using Python, R, and MATLAB, contributing to lab pipelines for spike sorting, spectral analysis, and quality-control reporting.
- Performed MEA electrophysiological recordings including plate preparation, neuronal culture handling, and identification of key network activity metrics.
- Produced a documented analysis module and research report linking computational methods to biological interpretation, and delivered findings in a final presentation to the lab.

Meridian | *Developer Trainee*

November 2025 — Present

- Utilized the Meridian developer package to build AI-assisted overview-detail interfaces tailored to dynamic data exploration.
- Implemented customizable view specifications that allow users to rearrange and personalize interface layouts based on their information needs.
- Developed interactive prototypes showcasing end-user-driven customization, improving usability for complex information workflows.

NGYL | *Founder*

January 2022 — June 2025

- Created NGYL website with HTML, CSS, and Javascript to increase organization awareness. Increased volunteer sign up by 30+ individuals. Provided a communication platform to promote organization mission and future/current organized events.
 - Organized and invited 4 industry professionals to provide students with a STEM career seminar, in addition to designing event fliers to generate 200+ participants in seminar events.
 - Taught 300+ students in subjects including python, drones robotics, Lego robotics and machine learning.
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TECHNICAL PROJECTS

Ecommerce Dashboard

January 2026

- Developed a full-stack ecommerce dashboard with a Next.js (React) frontend and MongoDB backend, enabling Excel-style data manipulation on mobile and desktop.
- Integrated Google Authentication for secure login and session management, improving user access control and data security.
- Built scalable APIs and database schemas to handle product management, inventory tracking, and dynamic updates.

CrunchyRoll Award Data Analysis

September 2025

- Collected, cleaned, and wrangled multiple data frames to prepare for data analysis.
- Analyzed relationship between different factors like total views, genre, pre adaptation manga sales.
- Created a predictive model with data visualization to better showcase finding.

Term Deposit Subscription Predictor

June 2025

- Utilized data collected from UCI Machine Learning Repository to load, clean, and process 45,000+ data points.
 - Created a machine learning model with an accuracy of 91% to predict whether a customer will say yes to a term deposit depending on their age, job, education, loan status, etc.
 - Tools utilized in this project include Sklearn, Pandas, Numpy, and Matplotlib.
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SKILLS

Languages: Python, Java, HTML, CSS, Javascript, R

Framework: React, Next.js, Tailwind

Developer Tools: Git, Github, VS Code, Jupyter Notebook, MATLAB

Libraries: Pandas, NumPy, Matplotlib, Seaborn