Andrew Yu

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Education

University of California, Santa Barbara, Fall 2021-Present
- Bachelor of Science in Computer Science, College of Engineering
- College of Engineering Honors Program Recipient, 2024
- Distinction in the Major Program (Ongoing)
- Cumulative GPA — 3.75
- Expected graduation — November 2024

American High School — Valedictorian, 2017-2021

Coursework

Computer Architecture, Translation of Programming Languages & Compilers, Advanced Applications Programming: Web Development, Machine Learning, Automata and Formal Languages, Operating Systems, Blockchain Foundations, Data Structures and Algorithms, Ethics in Engineering

Experience

Researcher under **Professor Phill Conrad** (UCSB), Fall 2023-Present
- Work with Professor Chris Hundhausen and PhD candidate Ahsun Tariq of Oregon State University to research efficacy of computer science education methods with concrete metrics
- Co-author of upcoming research paper, *Improving AGILE Retrospectives through Scaffolding*, to be presented at SIGSCE 2024

Intern, SupportVectors, Summer 2022
- Complete the ML100 Introduction to Machine Learning course using Jupyter Notebook
- Work as a teaching assistant for ML100, taking detailed notes on every class session and answering student questions & code issues
- Upcoming — Intern for Summer 2024-Present

Director of Internal Affairs at **GDSC UCSB,** 2022-2023
- Manage all internal operations of the Google Developer Student Clubs branch at UCSB, including booking venues, overseeing publicity, and providing input on event design and scheduling

Classification & Machine Learning Team at **UCSB Robotics ,** 2022
- Work with 3 UCSB students to develop a neural network capable of recognizing, classifying, and documenting fish species in the university's lagoon

Student, COSMOS at **UC Santa Cruz,** Summer 2019
- Cluster 9: Machine Learning & Natural Language Processing
- Study processes and applications of machine learning in Python under professors Narges Norouzi and Snigdha Chaturvedi
- **Sentiment Analysis of Amazon Food Reviews** Project
  - Developed a neural network in a team of 4 and classified reviews with natural language tools using the TensorFlow, Numpy, Pandas, NLTK, and Keras libraries to achieve 95% test accuracy

Cook at **Sushiya Express,** 2023-2024

Upcoming — **Physics Tutor, CLAS** at **UCSB,** Fall 2024

Skills

Python, C++
Visual Studio Code, Jupyter Notebook, GitHub