TIMOTHY CHANG

San Jose, CA

timothy.chi.chang@gmail.com • (408) 772-6729 • www.linkedin.com/in/timothy-chang-398696221/

EDUCATION

University of California, Santa Barbara (UCSB), CA   Expected June 2024
Computer Science (B.S.)
3.98 GPA
- Dean's Honors Award (x4)

EXPERIENCE

Research Assistant - Weimbs Lab, UCSB   January 2022-Present
- Investigating programming techniques to automate image processing tasks previously done by hand
- Utilizing Numpy and OpenCV to implement a program that handles SMA quantification
- Collaborating with researchers while designing the program to help gather data necessary for their research publications
- Maintaining a simple interface for other lab members to easily use

Retail Team - Paris Baguette, San Jose, CA   June 2021-August 2021
- Responsible for organizing the store, working as cashier, and cleaning up after closing
- Learned to serve a variety of drinks as barista, including espresso drinks and smoothies
- Promoted strong customer service and a welcoming environment, even under high-pressure circumstances

PROJECTS

Police and Demographic Data Project   May 2021
- Constructed a program that collected and analyzed large-scale police shooting data from *The Washington Post*
- Implemented a visitor design pattern to better organize the general structure and logic flow of the program

EXTRACIRRICULARS

Dance Choreographer - Cupertino High School, Cupertino, CA   August 2018-October 2019
- Self-studied online videos before creating dance choreographies and teaching a team of 30 students
- Organized practices at lunch and after school in addition to posting video recordings for members to refer to at home
- Focused on group synchronization over complex movements in consideration of those with little dancing background
- Emphasized positive feedback to help members build self-confidence, which ultimately led to successful performance in front of the entire school

SKILLS

- Programming Languages: C++ (Proficient), Python (Proficient)
- Technical: OpenCV, Numpy, git
- Languages: English (Native), Mandarin (Fluent)

COURSES

- Data Structures and Algorithms
- Automata and Formal Languages
- Intro to Computational Sciences
- Intro to Probability