Jaeven Tanuwidjaja

(925) 791-9797 | jtanuwidjaja@ucsd.edu | github.com/jaevent24

EDUCATION

University of California San Diego — La Jolla, CA
Bachelor of Science in Mathematics and Computer Science — *Jun. 2024*

Diablo Valley College — Pleasant Hill, CA
Associate of Science in Computer Science — *May 2022*

Relevant Coursework
Advanced Data Structures, Systems Programming, Software Tools and Techniques, Theory of Computation, Cryptography

EXPERIENCE

Representative, Inter Club Council — Aug. 2021 – Jun. 2022
Diablo Valley College — *Pleasant Hill, CA*
- Inter Club Council – providing funding for student-run clubs' activities
- Scheduled meeting minutes for inter-club semester planning
- Negotiated and allocated budgets in accordance with each club's planned activities for a semester
- Interviewed new secretary and treasurer candidates for Inter Club Council

Volunteer, WAVE Foundation — Oct. 2019 – Dec. 2019
https://www.instagram.com/wave.foundation — *Jakarta, Indonesia*
- WAVE Foundation – free educational services for lower-income children
- Taught children how to use text editors like Microsoft Word and PowerPoint for schoolwork
- Contributed to course curriculum by drafting two month-long project plans for students

PROJECTS

K-means clustering | *Julia* — Feb. 2023 – March 2023
- Implemented K-means clustering for Anomaly Detection and Recommendation Systems.
- Visualization and Analysis of High-dimensional Data.
- Developed a form of K-means clustering with improved centroid placement.

Letter Grade Auto Grader | *Julia* — Jan. 2023 – Feb. 2023
- Developed an auto grader that takes key value pairs based on assignments, quizzes, participation, and final projects, then outputs the student's letter grade as a string.

Sudoku Puzzle Validator | *Julia* — Jan. 2023 – Feb. 2023
- Developed Sudoku Puzzle Validator which determines if a Sudoku puzzle has no duplicates in any row. column or 3x3 square.

Personal Website | *HTML, Javascript, CSS* | jaevent24.github.io — Feb. 2024 – Present
- Developed a personal website that outlines detailed information on my background, education, and interests. As well as my professional philosophy and personal interests.

TECHNICAL SKILLS

Languages: C++, Java, Julia, Matlab, CSS, Javascript, HTML
Developer Tools: Git, Github, Bash, Unix, Vim