

Cole Andrew Dungca

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EDUCATION

California State Polytechnic University, Pomona —
Bachelor of Science, Computer Science
3.06 GPA

August 2020 - August 2022

Southwestern Community College, Chula Vista
3.29 GPA

August 2018 - May 2020

PROJECTS

Independent Project: Furniture Sales Website

Proficient in coding and user interface design. After graduation, strengthened computer science skills by developing a furniture sales website using HTML, Cascading Style Sheets (CSS), JavaScript and React that consisted of a shopping cart system, drop down menu, and graphical layouts using CSS Grid, and CSS Flexbox.

Senior Project: Hanabi Log Analysis

Transformed requirements into a product. Interpreted college professor's general vision through biweekly meetings to produce 700 lines of Python code for a program that analyzed AI participation in a Hanabi card game, and generate statistical graphs of confidence levels the AI had prior to playing a card.

OTHER PROGRAMMING EXPERIENCE

- Experience with Java code. Developed an Artificial Intelligence based Tic Tac Toe game with an 8x8 board that learned real time to position a character that created the biggest disadvantage for the human opponent.
- Outside of classroom assignments, developed a Space Invaders type video game for entertainment and programming practice
- Developed Java AI code that numerically sorted numbers that were initially placed randomly by a human in a 3x3 matrix. Gained an understanding of how AI reacts based on feedback loops
- Experience using secure hash algorithms. Created a Java program that encrypted an inputted message from a user's key using SHA-256

SKILLS

- Teamwork - worked with groups of three or four people to develop programs
- Computer skills: Java, Python, Javascript, React, HTML, CSS, MySQL, C, C++
- Time management - Trained 10 hours per week in a competitive dance team while completing college courses.
- Leadership - Star Scout that mentored other Boy Scouts and prepared them for higher ranks.