

Cole Andrew Dungca

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Education

California State Polytechnic University, Pomona | August 2020 – August 2022

Bachelor of Science in Computer Science

GPA: 3.06 | Cumulative GPA: 3.17

Southwestern Community College, Chula Vista | August 2018 – May 2020

GPA: 3.29

Software Developer Projects

Independent Project: Furniture Sales Website ([Code](#)) ([Project](#))

Proficient in coding and user interface design. After graduation, strengthened computer science skills by using HTML/CSS, JavaScript and React to develop a fully responsive furniture sales website that consisted of a shopping cart system, drop down menu, and graphical layouts using CSS Grid, and CSS Flexbox.

Senior Project: Hanabi Log Analysis ([Code](#))

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

- Use Git for version control when developing projects
- 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.
- 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
- Outside of classroom assignments, developed a Space Invaders type video game for entertainment and programming practice

Skills

- Proficient: Java, Python, JavaScript, HTML/CSS
- Some Experience: C++, Linux
- Frameworks: React
- Teamwork - worked with groups of three or four people to develop programs
- 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.

Extra Curricular Activities

- Barkada Filipino Cultural Club | 2021 - 2022
- AB Samahan Filipino Cultural Club | 2019-2022
- Vietnamese Student Association Modern Dance Team | 2019-2020