

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

Software Development Projects

Independent Project (post-graduation): Furniture Sales Website

Product can be observed by clicking these links: ([Code](#)) ([Project](#))

Proficient in coding and user interface design. After graduation, self-studied 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.

Independent Project (post-graduation): Restaurant Finder

Product can be observed by clicking these links: ([Code](#)) ([Project](#))

Created a full stack application using the MERN stack (MongoDB, Express, React, Node.js, and Mongoose). Javascript http requests are made to an Express.js backend server using the axios library to return different restaurants, with the option of filtering restaurants by zip code, cuisine, or name through search queries. Also implemented a login system to allow users to make reviews to restaurants, which are saved onto mongoDB. Reviews can also be edited or deleted through validation of the user's username and user id being consistent with the original poster. Currently working on pagination and website responsiveness.

Senior Project: Hanabi Log Analysis

Project code can be observed by clicking this link: ([Code](#))

Captured and interpreted my professor's technical and design requirements through biweekly meetings and produced 700 lines of Python code for a program that analyzed Artificial Intelligence participation in a Hanabi card game. The code generated statistical graphs of confidence levels the AI had prior to playing a card.

Other Programming Experience

- Proficient with Git for version control and configuration management 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 initially randomly placed by a human in a 3x3 matrix. Gained an understanding of how AI reacts based on feedback loops.
- Outside of classroom assignments, developed a Space Invaders type video game for entertainment and programming practice.

Skills

- Proficient: Java, Python, JavaScript, HTML/CSS, React
- Some Experience: C++, Linux, MongoDB, Express, Node, Mongoose
- Teamwork - worked with groups of three to four people to develop programs and complete projects.
- 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