Kate Paduganao

katepad2020@gmail.com | 760-697-2057 | LinkedIn | Portfolio

Education

Bachelor of Science in Computer Information Systems **Expected May 2025**

California State University San Marcos (CSUSM)

- GPA: 3.97
- Assembly Language & Digital Circuits, Data Structure & Algorithms, Operating Systems, Database Systems, Networking, Computer System Design & Analysis, Web Development, Software Development, and Statistics.

Skills

Programming/Markup Languages: C++, HTML, CSS, Java, Python, Javascript, SQL
Technical: Data Analysis, Attention to Detail, Project Management, Web Development, UI / UX Design
Software Tools: Visual Studio Code, IntelliJ IDEA, GitHub, MySQL Workbench

Projects

Ecouture Sustainability Closet

Java | SQL *September 2024 – Present*

- Developed and maintained a robust, relational database on mySQL to track clothing materials, brand sustainability, and user data.
- Implemented user-friendly graphical page interfaces using java to enhance user experience.
- Applied SCRUM and Agile methodologies to ensure effective project management.

Study Space Finder Website

HTML | CSS | JavaScript | SQL | PHP *March 2024 – April 2024*

- Programmed in HTML and CSS to design the front end.
- Designed and implemented an effective user interface for multiple pages.
- Created the webpage's database schema and entity relationship diagram that stores user data and study locations.

BLISS Environmental Awareness Game *April 2021*

Snap!

- Compiled multiple code segments into one cohesive game that tells a story about the effects of bad environmental choices.
- Designed and maintained an 8-bit retro story game aesthetic to improve user experience

Experience

Mentor **Women's Hackathon at CSUSM**

JavaScript *March 2022*

- Mentored a 4 person team of highschool girls to create an interactive story game that spreads awareness and solutions about global warming.
- Troubleshooted setbacks the group encountered in order to keep the project error free.

Research Analyst **CS-LISTEN at University of California San Diego (UCSD)**

February 2020 – June 2021

- Collected survey responses from over 400 highschool students.
- Used functions and tools within Microsoft Excel to analyze trends and create visualization in underrepresented groups within women in computer science.
- Presented findings to school administrators and the National Science Foundation.