

KYRSTN LYNN HALL

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EDUCATION

California State University San Marcos (CSUSM)

B.S Computer Information Systems

Expected 05/2024

- GPA: 3.89
- Organizations: Google Developer Student Clubs (Technical Lead), Kamalayan Alliance

WORK EXPERIENCE

Software Engineer Intern

06/2023 – 08/2023

Wells Fargo, Minneapolis, MN

- Collaborated with 6 engineers in the Transformation Engineering team in an Agile environment to deliver a high-performing microservice in ASP.NET; Implemented distributed caching using Redis, improving application performance and responsiveness
- Developed API projects using ASP.NET, efficiently managing customer and product information
- Conducted thorough testing utilizing Swagger, xUnit, and Moq to ensure code quality and functionality

Computer Science Tutor

09/2021 – Present

California State University San Marcos

- Provide 1 on 1 tutoring to students at the STEM Success Center, assisting over 100+ students using interpersonal & problem-solving skills, and utilizing the Socratic Method
- Tutor lower and upper-division computer science courses, tutoring topics such as C++, Data Structures, Operating Systems, MIPS Assembly, and Digital Circuits

Computer Science 1 Embedded Tutor

01/2023 – 05/2023

California State University San Marcos

- Answer student questions and guide students when doing in-class pair programming
- Provide tutoring, homework clarification, and exam review outside of class in the STEM SC

Assembly Language & Digital Circuits Grader

09/2021 – 05/2022

California State University San Marcos

- Grade homework and exams for over 100+ students; Provide detailed feedback to all students and to the professor regarding student performances
- Utilized Microsoft Excel to organize and track student grades; Entered grades through Moodle platform

PROJECTS

FitRat Shopping Site - (03/23 - 05/23)

- Collaborated with a team of 4 to develop a dynamic full-stack shopping website for workout clothes using HTML, CSS, JavaScript, PHP, and MySQL, incorporating features such as user authentication, account creation, a shopping cart, and a checkout process
- Led the implementation of the back-end aspects of the website using PHP and MySQL server to store and retrieve information

Unix Shell - (08/22)

- Developed a C/C++ program in collaboration with a partner to create a shell interface that efficiently processes user commands and executes each command in a separate child process
- Implemented advanced features including history tracking, input-output redirection, and communication via a pipe

CubingDAT - (04/22-05/22)

- Developed a menu-driven C++ program that utilized hashtable and linked list data structures to store a user's fastest times for Rubik's Cube events
- Program allows users to add, find, delete, display, and save times to a separate file in C++

SKILLS

Languages/Frameworks: C++, C#, SQL, HTML/CSS, JavaScript, PHP, ASP.NET

Tools: VS Code, Visual Studio, Git/GitHub, Jira, AWS, Google Cloud

Certifications: Google Cloud - Cloud Digital Leader (2023), Jira Fundamentals Badge (2023)