# Cathy Khong

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## Education

**BS Computer Science** • CSU, Sacramento • GPA 3.8                                                         May 2024
Magna Cum Laude

**AS Computer Science** • Cosumnes River College • GPA 3.8                                 December 2022
Highest Honors
*Related Course:* Computer Software Engineering • Database Management Systems • Data Structures and Algorithm Analysis • Computer Networking Fundamentals • Web Programming • UI/UX Design • Computer System Attacks and Countermeasures • Object-Oriented Computer Graphics Programming

## Strengths

- Computer Skills
    - *Languages:* C • C++ • Java • Python • JavaScript • SQL • HTML • CSS
    - *Systems:* Unix • Windows • MacOS
    - *Tools:* GitHub • Visual Studio Code • React • Visual Studio Community • Thonny • Vendia • MySQL • Eclipse • Codename One • Jira • Figma
    - *Software:* MS Word, PowerPoint, Excel
- Bilingual: English/Vietnamese
- Clubs: MESA • Society of Women Engineers

## Project Experience

### *Application Project*                                                                                                      *Fall 2022*
- Led a 6-person team that created a database application with a sponsor/manager for a start-up company, Vendia
- Built a system that eliminates the need to carry physical identification by using a unique identifier like Social Security number
- Coordinated weekly meetings by taking each team members schedule and communicating what day and time works best for all 6 members
*Tools:* Visual Studio Code, React, GitHub, Vendia

### *Mobile Application*                                                                                                      *Spring 2023*
- Used software design patterns, graphical user interface development, and fundamentals of 2D graphics systems to create a strategy game
- Implemented advanced object-oriented concepts such as abstraction, polymorphism, inheritance, and encapsulation
- Debugged code by looking for syntax errors and used print statements to verify the application was working properly
*Tools:* Eclipse, Codename one

### *Bay Develops Website*                                                                                  *Fall 2023 – Spring 2024*
- Led the design and prototyping of the website using Figma to ensure a user-friendly and aesthetically pleasing interface
- Developed and implemented 5 responsive web pages that enhances user experience and website functionality
- Collaborated in an 8-person team by providing guidance and support to ensure project deadlines were met on time
*Tools:* Visual Studio Code, React, GitHub, Jira, Figma