

Peter Minsch

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EDUCATION

California State University of San Marcos

San Marcos, CA

Computer Science

Cumulative GPA: 3.3

Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Digital Circuits

WORK EXPERIENCE

California State University of San Marcos

San Marcos, CA

Computer Science Tutor

April, 2023 - Present

- Provided 1 on 1 tutoring to 100+ students and created personalized lesson plans for students
- Tutor all lower division CS courses, teaching topics such as C++, OOP, Data Structures, MIPS Assembly, and Digital Circuits
- Networked with students and professors for external opportunities for tutoring

California State University of San Marcos

San Marcos, CA

Treasurer for Society of Asian Scientists and Engineers

August, 2023 - Present

- Manage the organization's funds, ensuring accurate financial transactions and budget allocation
- Provided leadership and mentorship to new members, fostering a cohesive and motivated team

Sesame Donuts

San Diego, CA

Cashier & Manager of Sesame Donuts

May, 2021 - May, 2023

- Led a team of employees, overseeing daily operations and ensuring excellent customer service
- Conducted interviews and selected candidates to build a strong and capable workforce

PROJECTS

Weather app

- Developed a clean code Android weather app using MVI architecture in Kotlin
- Utilized Open Meteo API to fetch weather data and displayed it with an intuitive UI

Unix Shell

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

Pathfinding Program

- Designed and implemented a pathfinding algorithm that calculates the shortest route on a graph
- Leveraged Dijkstra's algorithm along with BFS, queues, and heaps to optimize pathfinding

Academic Course Home Page

- Utilized OOP fundamentals to store data; allows both admin and student to access and change data
- Prompts admin for user authentication in order to add and drop students

SKILLS

- **Programming Languages** - C++, C, Linux, Kotlin, Java, and Python
- **Operating Systems** - Unix
- **Technologies** - Android Studio, Visual Studio, Git