WYATT AVILLA

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EDUCATION

University of California, Santa Cruz *September 2021 - Present*
Major: B.S. Cognitive Science, specializing in AI & HCI **CGPA: 3.9**
Minor: Computer Science

TECHNICAL STRENGTHS

Programming Languages	C/C++, Python, Rust, Bash, Lua
Software & Tools	Git, Linux, GitHub Actions, Pandas, Docker, AWS

WORK EXPERIENCE

Data Structures & Algorithms Tutor July 2024 - September 2024
University of California, Santa Cruz

· Assisted students in understanding core concepts of data structures and algorithms.
· Led and conducted group sessions to facilitate collaborative learning and peer discussions.
· Developed supplemental materials to enhance students' learning experiences.
· Helped students prepare for exams by reviewing key topics and solving practice problems.

RELEVANT COURSES

Core Courses
Data Structures & Algorithms
Object Oriented Programming
Parallel Programming
Computer Systems

Other Courses
Discrete Mathematics
Linear Algebra
Vector Calculus

PROJECTS

PowerPC Assembly Reverse Engineering ↗ March 2024
Contributed to an open-source reverse engineering project for Super Smash Bros. Melee on the Nintendo GameCube. Focused on analyzing PowerPC assembly code and translating it into C. Actively collaborated with a team of developers to improve accuracy and functionality, contributing to a collective effort to document and recover the game's codebase.

Discord Bot ↗ March 2023
Developed a Discord bot utilizing the TikTok text-to-speech API to enable real-time text-to-speech requests within voice channels. The bot allows users to submit text messages which are then converted to speech and played back live during voice calls.