

Kat Webb

People, Leadership, and Tech. Data Analysis and comms between technical and non-technical people. Tech-savvy and responsive to changing platforms and industry conditions. Highly motivated, and able to build excitement with a team. Enjoys sharing and teaching complex ideas. Experiences include volunteer projects, data analytics, and teaching.

EDUCATION

California State University, East Bay, May 2024

BS Computer Science, Magna Cum Laude

- Relevant Coursework: Data Structures and Algorithms / Analysis of Algorithms
- Statistics and Probability for Science and Engineering - included R and -Python to analyze data and for machine learning.
- Operating Systems – implemented an Operating System in C
- Information Security - Kali Linux and various attack and defense methods in labs. Networking security risks and potential attacks. Encryption algorithms

EXPERIENCE

CSUEB STEM LAB Internship — *Software Engineering Tutor*, December 2021 - May 2024

- Tutored 90+ students in C++, Data Structures and Algorithms, and Python.
- Led and mentored a team of learning assistants.
- Provided one-on-one assistance to students in understanding complex concepts and solving programming problems.
- Collaborated with faculty to identify and implement innovative teaching strategies and resources.

Americorps — *Data Analyst Intern (Vista Summer Intern)*, June 2022 - August 2022

- Reduced staff expenses in 2022-2023 by 10% through programmatic analysis of learning assistant and office hour usage statistics.
- Assisted STEM LAB users in using and troubleshooting technology-related issues.
- Created a virtual tutorial with edited videos to help students and learning assistants using DaVinci Resolve.
- Created an orientation program for 72 learning assistants.
- Collaborated with peers and staff to maintain a friendly, supportive, and cooperative work atmosphere.

Bath and Body Works — *Sales Associate*, May 2018 - May 2021

- Trained new employees in restocking, sales, and cash register use.
- Managed the creation of sister location by delegating tasks.
- Assisted customers on the floor and at the cash register and resolved customer concerns using strong communication and conflict management skills.
- Received letter of customer service excellence recognition from the Vice President of Sales and three thank you letters from customers for outstanding customer service.

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SKILLS

Python, C++, Javascript, Red Hat Enterprise Linux certified, HTML/CSS, R, Java, Multi-threaded networking programs, Teaching & Staff Development

LANGUAGES

English - Fluent
Spanish – Conversational

PROJECTS AND VOLUNTEERING

Fix-It Clinic — *Circuit Launch*, April 2024

Engaged as a technical repair coach specializing in troubleshooting and restoring malfunctioning electronic devices, as well as conducted disassemblies and reassemblies to repair various electronics and devices, including overseeing soldering processes.

AI Technical Speech and Demonstration — *Google Bard (Gemini)*, December 2023

Invited by Peter Danenberg to discuss, demo and present about neural networks, data analysis, components of AI, and Lute the discord bot.

Immerse the Bay XR/VR Hackathon — *Stanford University*

Collaborated on a four-person team to create an extended reality direction software. Devpost:

<https://devpost.com/software/shorse>

FanimeCon — *Personal Relations / Co-Host (Fanime Cosplay Chess)*, 2015-2019

Managed a team of 35 people while ensuring the seamless coordination of technical aspects for a successful show.