

Elijah Croft

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EDUCATION

California State University Fullerton

Double Major: B.S. Computer Science, B.A. Philosophy

Fullerton, CA

Expected May 2028

EXPERIENCE

Magikid Robotics Lab

Robotics Coach/Programming Instructor / AI Coach

Tustin, CA

March 2025 - Present

- Coach for competitive robotics team, leading them to state and world championships.
- Teach 20+ students (ages 8–16) **Python** and **C++** fundamentals weekly.
- Designed interactive projects to teach loops, conditionals, and basic robotics logic.
- Integrate AI concepts into robotics coaching, focusing on the development of autonomous systems and decision-making algorithms.
- Provide AI coaching to students, helping them apply machine learning and AI algorithms to robotics challenges.

PROJECTS

ScuffedAI | Python, OpenAI API, Discord API, Linux

Mar. 2023 – Present

- Powers 100+ daily interactions across Discord servers, mimicking a streamer's persona.
- Integrated OpenAI API for dynamic, real-time conversations and personality emulation.
- Deployed the bot on a self-hosted Arch Linux server for 24/7 operation.
- Implemented passive moderation to detect and suppress hate speech, fostering a safe and inclusive community.

SafeSubstance | Next.js, TypeScript, Tailwind CSS, Git

Oct. 2024 – Present

- Designed and developed a solo project that provides fast, accessible drug interaction checks for harm reduction. Hosted at safesubstance.org
- Built a clean and responsive UI using Tailwind CSS and implemented logic with Next.js and TypeScript.
- Created and managed a structured substance interaction dataset to power accurate, real-time lookups.
- Deployed on Vercel and maintained the platform, receiving over 100 weekly visitors .

Stars Near You | Next.js, Supabase, Tailwind CSS

Apr. 2025

- Social media app built at a hackathon that visualizes friendships as constellations.
- Developed the entire backend, including user authentication and database management.
- Used Supabase for data storage and NextAuth/GithubAuth for seamless login.

Rust ASCII Terminal Display | Rust, Linux, Terminal

Jun. 2024 – Jul. 2024

- Developed a terminal-based ASCII art display using Rust, designed to minimize data costs.
- Leveraged Rust's memory safety features to ensure low resource consumption.
- Optimized performance for Linux terminal-based environments.

EXTRACURRICULARS

ACM Club Member

2024 – Present

Algorithms | Advanced Algorithms | AI | Frontend

- Solved 100+ Leetcode problems.
- Participated in weekly coding challenges and collaborative hackathon projects.
- Engaged in technical workshops and discussions to deepen understanding of real-world CS applications.

TECHNICAL SKILLS

Languages: Python, C++, Java, JavaScript, Rust, HTML/CSS

Tools: Git, Selenium, Bootstrap, Tkinter, OpenAI API

Systems: Linux, Windows