Ethan Waters
Lake Forest, CA
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EDUCATION

University of California, San Diego — B.S. Cognitive Science, Specialization in Interaction and Design

Expected Graduation: June 2025

RELEVANT COURSEWORK

Modeling and Data Analysis, Data Science in Practice, Social Computing

PROJECTS

InstaJam — Personal Project

Designing and developing InstaJam, a Swift-based mobile app that connects musicians for jam sessions, lessons, and collaborations. Features include real-time messaging, user profiles, and location-based match recommendations using Firebase and SwiftUI.

MapUs — Course Project

Developed MapUs, a Swift-based iOS app that enables real-time social interaction by pinning user-shared images to a map. Conducted usability testing with a lecture hall audience, receiving positive feedback.

D&D Character Companion App — Personal Project

Built a Dungeons & Dragons companion app in Swift/Xcode, focused on user-centered design to enhance character data management.

EXPERIENCE

Pledgestar — Lake Forest, CA

Summer 2024

Contributed to the development and deployment of progressive web apps using modern web technologies. Gained experience in cross-platform app optimization and user experience enhancements.

Swim Meet Manager — Orange County & San Diego, CA

2021–Present

Coordinated swim meets for high school and college athletes. Used data analysis to optimize team entries and scheduling. Resolved on-site challenges, ensuring smooth event execution and safety compliance.

Freelance Programmer — Lake Forest, CA

2021

Created an immersive AR puzzle using Swift and ARKit for Deceptive Game's escape room. Enhanced interactivity and customer satisfaction.

SKILLS

Languages & Tools: Swift, Python, Xcode, SwiftUI, Firebase, ARKit

Other: Mobile app development, UI/UX design, Data analysis, Git