

# Katrina Bosler

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## OBJECTIVE

Current student with experience building interactive applications like Recipe Assistant and Battleship. Seeking an internship to contribute programming and UI design skills to a dynamic development team.

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## EDUCATION

University of California San Diego, La Jolla — *Computer Science B.S. (GPA: 4.0)*

September 2023 - PRESENT

- WIC (Woman in Computing), Warren College Honors Society, Regents Scholars, UCSD Scholars Society, CSE Society, CSE-PACE, Jump Mentorship Program, Envision Arts and Engineering Studio Member

San Dimas High School (Weighted GPA: 4.6)

2019 - 2023

- Distinguished Top 5, Student Tech Team, Computer Science Department Award, Mu Alpha Theta/Mathletes, Tutor, CSF, AP Scholar, CS Club, & Varsity Swim, Tennis, and Water Polo
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## SKILLS

Languages: Java, JavaScript, C/C++, HTML, CSS, SQL

Technologies: Linux, Web Development, UI/UX Design, Github, 3D Printing and Design

Cybersecurity: [Google Cybersecurity Specialization Certified](#), picoCTF Competition, Threat Analysis, Incident Response, Network Security, NIST Framework, Communication

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## PROJECTS

Spotify Charts Song App

- Utilized Javascript to create a Spotify-integrated app that pulls data daily from Spotify's Top 50 and Viral 50 charts
- Filtered lists to output song titles and information that matches user-selected criteria

Recipe Assistant Web Application

- Designed a user-friendly Javascript-based web app that helps to develop and manage recipes
- Used API integration to allow searches for ingredient-specific recipes (supported by Edamam)
- Integrated Tidio for real-time customer support and enhanced user interaction

Java Battleship Game

- Developed a recreated Battleship game in Java that implements object-oriented designing, data structuring, and algorithm implementing
  - Created a user interactive interface for the game while also being mindful of game mechanics
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## EXPERIENCE

Blueray Aquatics, Covina, California — Swim Instructor, Coach, and Lifeguard

June 2023 - August 2024

- Instructed around 20 children daily to develop their swim proficiency while creating a fun learning environment
- Collaborated with other staff members to ensure pool safety by monitoring swimmer activities and enforcing pool regulations

Los Angeles Elections, San Dimas, California — Election Worker

October 2022 - November 2022

- Checked in thousands of voters for the 2022 midterm LA county elections
- Provided support by resolving issues for provisional voters and assisting first-time registrants, demonstrating strong communication and problem-solving skills