Katrina Bosler

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CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:** Lifeguarding with CPR/AED For the Professional Rescuer and First Aid
- **Skills:**
  - **Programming Languages:**
    - Java
      - Familiar with basic data structures and algorithms
    - JavaScript
    - Learning C
  - **Technical:**
    - Linux
    - 3D Printing and Design
    - Web Development (Beginner)
    - Chromebook Repair
    - GitHub

Interests: Competed in 2023 and 2024 in a cybersecurity competition called picoCTF, hosted by Carnegie Mellon University and placed in the top 10% globally, swimming, tennis

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EDUCATION

San Dimas High School   **June, 2023**
High School Degree   *San Dimas, CA*
- GPA: 4.0
- Distinguished 5 of my class
- AP Computer Science Principles, AP Computer Science A, AP Calculus AB and BC, Tech Innovation, etc
- Student Tech Team

University of California, San Diego   **Expected 2026**
BS, Computer Science   *San Diego, CA*
- Current GPA: 4.0
- Junior standing
- Regents Scholarship
- WIC (Woman in Computing), CSE Society, CSE-PACE Program, Jump Mentorship Program
- Envision Arts and Engineering Studio volunteer
  - 3D printing and laser cutter

Projects

Spotify Charts Song App   **2022**
- Javascript
- Coded in high school for the AP Computer Science Principles create task
- Traverses Spotify charts that update everyday

Other Javascript Projects   **2022**
- https://studio.code.org/projects/applab/ZGpEW3HHQgeKQlaaKxOrnd1t0HU0wMikTrwoAUprk6E
- https://studio.code.org/projects/applab/-00Zjy6VzTeWCQa5jnkLtfrY5_uOJFOB8sRyP7G4tJk
- https://studio.code.org/projects/applab/q3cQ11DWz_Oqfx5AlJI210t06dloij8ko05CMfzhctQ

GitHub   **2024**

- Experimented with creating GitHub repositories in my software lab course
- Create lab reports for each lab
- [Lab Reports | cse15l-lab-reports (katrinab2727.github.io)](katrinab2727.github.io)

Various Java Projects   **2023**
- Created Java projects in my AP Computer Science A course in high school
- Battleship Game - implements for loops and logical thinking
  - https://codehs.com/sandbox/id/java-main-W29gmw/run
- Recently wrote programs for data structures
  - Knowledge of linked lists, stack, queue, hash tables, trees, etc

WORK EXPERIENCE

Los Angeles Elections   **Oct. 2022 – Nov 2022**
Student Clerk   *San Dimas, CA*
- Los Angeles Elections ran the 2022 midterm election for LA County.
- As a student clerk, I oversaw the poll pads and checked in voters.
  - I had to deal with scenarios that led to conditional or provisional voters, making sure I checked them in correctly for their vote to count.

Blueray Aquatics   **June 2023 – September 2024**
Swim Instructor and Lifeguard   *Covina, CA*
- I taught children from ages 3-12 how to swim depending on what level they were at.
- I took leadership and responsibility over teaching them and making sure they were safe.
- Improved my communication and clarity when teaching and working with others.
- I also lifeguarded recreational swimming at the pool.