

Harrison Lloyd

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in [Harrison-Lloyd](#)

EDUCATION

California State University - Chico

2026

Bachelor of Science, Computer Science, Minor in Data Science

Chico, California

GPA - 3.6 / 4.0

Dean's List 2023-2024

Relevant coursework: Data Structures & Algorithms, Statistics & Probability, Discrete Math, Web & Mobile App Dev, Cybersecurity, Databases, Calculus 1-3 & Machine Learning

WORK EXPERIENCE

Data Collection Specialist at MRK Medical Consultants

06/2023 - Present

Created a data collection initiative for legal expansion

Remote

- Led an initiative to build a **database** of over **4,000** personal injury lawyers across the country.
- Enabled the business to expand into **3** new regions, **increasing client outreach**.
- Utilized **Python** with **BeautifulSoup** to automate web scraping tasks, improving efficiency by **40%** and reducing manual input

JPMorgan Chase Virtual Internship Program through Forage

07/2023 - 08/2023

Gained hands-on experience in financial data analysis and algorithm development

Remote

- Troubleshooted and resolved **30** code issues, improving the functionality and performance of financial data applications.
- Used JPMorgan Chase's **open source** library called **Perspective** to generate a live graph that displays a data feed in a clear and visually appealing way for traders to monitor.

PROJECTS

Multiplayer Battleship Game

- Built a **full-stack** multiplayer Battleship Game featuring **real-time** gameplay between players.
- Designed an interactive user interface with dynamic game boards, draggable ship placement, and a built-in chat system.
- Built a scalable backend with **Express.js** to manage game state, interactions, and communication.

Billboard Top 100 Playlist Creator

- Scraped Billboard's Hot 100 chart to extract song data for a specific date using **BeautifulSoup**.
- Used the **Spotify API** to create a playlist, matching and adding tracks by title and year, ensuring accuracy in song selection.
- Enhanced user experience by creating custom playlists, letting users relive the top songs of any given day.

ISS Tracker

- Tracked the ISS in **real time** with the Open Notify API and sent email alerts when it was overhead, using **PythonAnywhere** for continuous monitoring.
- Combined ISS position data with local sunrise and sunset times to send alerts only at night for optimal visibility.

Stock Trading Alert System

- Monitored stock price changes using the **Alpha Vantage API** and **automatically retrieved** relevant news articles using the News API.
- Sent SMS alerts with price changes and relevant news headlines via **Twilio**, enabling timely decision-making for traders.

TECHNOLOGIES & EXTRACURRICULARS

- **Languages:** C/C++, Python, HTML/CSS, JavaScript, SQL, R.
- **Technologies/Web Frameworks:** Flask, React, Git, Flutter, REST APIs, Express, Node.js
- **Extracurriculars:** Member of ACM (Association for Computing Machinery) and Security Club.