

## Bryan Bee

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Active Security Clearance: Secret

## Education:

**California State University, Los Angeles**

*Bachelor of Science, Computer Science*

Expected Graduation: May 2025

**GPA: 3.9**

- Dean's List: All Semesters

## Technical Skills:

*Languages:* Java, Python, HTML/CSS, JavaScript, MySQL, C++, JQL

*Libraries/Frameworks:* Flask, Bootstrap, React.js, Node.js, NumPy/PANDAS, Matplotlib

*Tools:* Eclipse, VS Code, Agile Development, Atlassian Tools Suite (JIRA, Bitbucket, Confluence), Version Control (Git/GitHub), MVC Architecture, Java Servlets/JSP, REST-API, JSON

## Work Experience:

**Northrop Grumman** 

June 2023-August 2023

*Software Engineering Intern*

- Spearheaded the team in developing, integrating, and executing the foundational work for the **backend data pipeline**, by utilizing a variety of **libraries** and **algorithms** to **automate** 3 out of 8 key metrics.
- Led daily scrums as the scrum master in an **agile** environment and documented processes using Atlassian tools including **Bitbucket**, **JIRA**, and **Confluence**.
- Actively participated in and contributed to **sprint planning** sessions and **code reviews**.

## Involvement:

**Technical Interview Preparation for Software Engineers (TIPSE)**

September 2022-Present

*President and Founder*

- **Created** and **led a student organization** to help aspiring software engineers prepare for technical interviews.
- Responsible for organizing meetings for members, leading sessions using online resources, **facilitating** mock interviews, and **teaching/tutoring** members on common technical interview topics such as **DFS/BFS Algorithms**, **Sliding Window Algorithms**, **Sorting Algorithms**, **Tree Traversals**, etc.

**Association of Computing Machinery (ACM)**

September 2022-Present

*Project Member, Mentee*

- Attended general meetings, workshops, and conferences related to software engineering to further develop knowledge and network with professionals in the field.

## Projects:

**Metrics Automation – Python/REST API/Matplotlib/NumPy/PANDAS/JSON/Git:**

- Metrics automation project that utilized the JIRA **REST API**, various algorithms, **Matplotlib**, **PANDAS**, and **NumPy**. The project automated the data gathering, calculating, and presentation processes for 8 key metrics.

**Hospital Vaccine Database and Patient Management System – MySQL, Java, HTML/CSS, Bootstrap:**

- **Java Servlet** that a hospital could use to view/edit patient and vaccine information. Frontend was made using **HTML/CSS** and **Bootstrap**. The backend was made with **Java** which connected to an **SQL** server for data access.

**Spotify Wrapped – JavaScript (React.js)/Python (Flask)/REST API/JSON/Git:**

- Web application replicating the popular "Spotify Wrapped" feature utilizing **Flask** and **React.js**. Log-in is handled via **OAuth** for authentication, and **JSON** data is taken and used to display custom Spotify metrics.

**Discord Bot – Python/REST-API/Event Handling/Git:**

- Discord bot programmed with Python to assist in moderating a discord server. Kept track of server chats in real-time, and punishes offenders by blocking their chat and voice chat privileges for a set amount of time.

## Relevant Coursework:

Computer Organization and Architecture • **Web Development** • **Data Structures and Algorithms** • **Software Engineering**  
Discrete Structures • Intro to **Relational Databases** • **Cybersecurity** • Programming Paradigms • Intro to Data Science