

## Bryan Bee

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Active Security Clearance: Secret

## Education:

**California State University, Los Angeles**

*Bachelor of Science, Computer Science*

- Dean's List: All Semesters

Expected Graduation: May 2025

**GPA: 3.9**

## 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/JQL:**

- 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 "Spotify Wrapped" feature by utilizing Spotify's API, **Flask**, and **React.js**. Log-in is handled via **OAuth** for authentication, and **JSON** data is taken and used to display custom Spotify metrics.

**ChatGPT Monkey 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, gave entertaining responses by utilizing **ChatGPT's API**, and punished repeat rule 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