

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 Corporations (MS Sector)



June 2023-August 2023

Software Engineering Intern

- Developed a **Python** program that automated the collecting, calculating, and presenting of metrics data.
- Spearheaded the team's effort in developing, integrating, and executing the foundational work for the **backend data pipeline**, utilizing a variety of **libraries** and **algorithms** to **automate** 3 out of 8 key metrics.
- Led daily scrums as 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 by **organizing** and **leading practice sessions** and **facilitating mock interviews**.
- Responsible for organizing meetings for members, leading sessions using Leetcode and HackerRank resources, and **teaching/tutoring** members on common technical interview topics including, but not limited to: **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 to further develop knowledge and a network of similarly focused individuals.

Technical Projects:

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

- Metrics automation project created by utilizing the **JIRA REST API**, various algorithms, **Matplotlib**, **PANDAS**, and **NumPy**.

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:

- Web application that replicates the popular "Spotify Wrapped" feature utilizing **Flask** and **React.js**. Log-in is handled via **OAuth** for authentication, and **JSON** user data is sent from the backend to the frontend, where the user can then see their custom Spotify-wrapped information.

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