

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, Linux/Unix

Work Experience:

Northrop Grumman

June 2023-August 2023

Software Engineering Intern

- Collaborated with stakeholders, product owners, and worked within a team of five engineers to develop a Python application that streamlined the collection, computation, and presentation of 8 essential metrics. We utilized the JIRA API and JQL for data collection, NumPy, Pandas, and Matplotlib for data presentation, and employed diverse algorithms for enhanced efficiency. As a result of our collective effort, we achieved a substantial reduction in the manual workload required to collect metrics across all Agile projects and JIRA teams.
- Spearheaded the team's efforts in establishing the fundamental framework for the backend data pipeline, which included crafting roadmaps and taking charge of the design, implementation, and testing of over 900 lines of code, serving as the backbone of the automation processes for 3/8 metrics.
- Systematically conducted code testing, including bug replication, debugging, and comprehensive post-resolution testing.

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.

Projects:

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

- Developed a Java Servlet designed to provide hospitals with a user-friendly interface for viewing and editing patient and vaccine information. I crafted the frontend using HTML, CSS, and Bootstrap, ensuring a visually appealing and responsive design. For the backend functionality, I employed Java, connecting it to an SQL server to facilitate efficient data access and management. This solution allowed healthcare providers to interact with and manage patient and vaccine data effortlessly.

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

- Engineered a web application that emulated the 'Spotify Wrapped' feature, drawing on Spotify's API, Flask, and React.js technologies. To ensure secure logins and user authentication, I implemented OAuth. This allowed seamless and trustworthy authentication for users. The application retrieved JSON data from Spotify's API, leveraging it to generate and showcase custom Spotify metrics tailored to each user's music preferences and listening habits.

ChatGPT powered Monkey Bot – Python/REST-API/Event Handling/Git:

- Built a Python Discord bot using async and event listeners, which actively monitored server chats, provided entertaining ChatGPT-powered responses by utilizing ChatGPT's API, and applied temporary chat and voice chat restrictions to rule violators. This enhanced server satisfaction and ensured community order.