

# 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 May 2025

**GPA: 3.9**

## 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 members common technical interview topics such as BFS/DFS, two-pointers, etc.

**STEM Advantage Program**

October 2022-Present

*Organization member*

- Active member and scholarship recipient of the STEM Advantage scholarship.

## Work Experience:

**Northrop Grumman**

June 2023-August 2023

*Software Engineering Intern*

- Collaborated with stakeholders, product owners, and my team of five engineers to develop a Python program that automated the process of generating metrics which led to a 90% reduction of the manual workload required to collect metrics across all Agile projects and JIRA teams.
- Spearheaded our backend data pipeline by designing, implementing, and testing the code base, which provided half the metrics for our automation platform.
- Systematically conducted code testing, including bug replication, debugging, and comprehensive post-resolution testing.
- Leveraged Knowledge in Git, REST-API, Python, Pandas, Matplotlib, and NumPy.

## Projects:

**Hospital Vaccine Database and Patient Management System**

- Developed a Java Servlet designed to provide hospitals with a user-friendly interface for viewing and editing patient and vaccine information.
- The service provided and allowed health care providers to interact with and manage patient data and vaccine data efficiently.
- Utilized: Java, HTML, CSS, Bootstrap, MySQL, and OOP.

**Spotify Wrapped (in progress)**

- Developed a web application that emulated the 'Spotify Wrapped' feature that comes out once a year.
- This application allowed users to view their custom Spotify metrics tailored to each user's music preferences and listening habits at any time of the year.
- Utilized: Spotify's API, Python, Flask, JSON, OAuth, and React.js.

**ChatGPT-powered Monkey Bot**

- Used Python to create a fun and interactive Discord bot to help moderate and entertain server members.
- The bot helped to actively monitor server chats and apply temporary chat and voice chat restrictions to rule violators, and used API calls to provide entertaining ChatGPT-powered responses.
- Utilized: Discord's API, Chat-GPT's API, Python.

## Technical Skills:

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

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

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