Bryan Bee

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Education:

California State University, Los Angeles — Expected: 05/2025

Bachelor of Science, Computer Science — **GPA: 3.9**
- Dean's Honor List: All Semesters

Work Experience:

Software Engineer Intern | Northrop Grumman — 06/2023 - 08/2023

Git, REST-API, Python, Pandas, Matplotlib, NumPy — *Baltimore, MD*
- Collaborated with stakeholders, product owners, and my team of engineers to automate metric generation in Python, which resulted in a 90% reduction in manual workload for metrics collection across all projects and teams.
- Spearheaded the development of 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 post-resolution testing.

Project Experience:

Housing Price Predicter Model — 10/2023 - 11/2023

Python, TensorFlow, PyTorch, Pandas, Scikit-Learn
- Training a machine learning model to predict housing prices by collecting historical sales and pricing data.
- Deploying the model for real-world use, utilizing both classification and regression techniques to achieve housing price predictions.

Spotify Wrapped — 07/2023 - Present

REST API, Python, Flask, JSON, OAuth, React.js, JavaScript
- Creating a web application emulating Spotify's 'Spotify Wrapped' feature, providing users with personalized Spotify metrics based on their music preferences and listening habits.
- Enables users to access their custom Spotify metrics at any time, offering a unique and engaging experience.

Metrics Automation — 06/2023- 08/2023

REST API, Git, Python, NumPy, Pandas, Flask, HTML, CSS
- Utilized Python and the JIRA API to automate the generation and presentation of key metrics, including release backlog stability, project backlog stability, and sprint volatility.
- Provided users from various teams and projects with the ability to access their metrics, which facilitated progress tracking and efficient planning, and resulted in a 95% reduction in manual data collection and reporting efforts.

ChatGPT-Powered Monkey Bot — 12/2022 - 08/2023

REST API, Python
- Crafted a fun and interactive Discord bot to help moderate and entertain server members.
- The bot helped to actively monitor 4 servers, apply temporary chat and voice chat restrictions to rule violators, and used API calls to provide entertaining ChatGPT-powered responses for over 200 discord users.

Hospital Management System — 01/2023 – 05/2023

Java, HTML, CSS, Bootstrap, MySQL
- Engineered a web application designed to provide hospitals with an intuitive interface for viewing and editing patient and vaccine information.
- The service offered user-friendly patient and vaccine data management for healthcare providers.

Leadership Experience:

Technical Interview Prep. for Software Engineers (TIPSE) | President and Founder — 09/2022 - Present
- Founded and led a student organization to help aspiring software engineers prepare for technical interviews.
- Expanded the organization's membership from 4 to 87 members within the past year.
- 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.

Technical Skills:

Languages: Java, Python, SQL, HTML, CSS, JavaScript, C++, C, JQL

Libraries/Frameworks: Flask, Bootstrap, React.js, Node.js, NumPy, Pandas, Matplotlib, PyTorch, TensorFlow, Scikit-Learn

Tools: Agile Development, Atlassian Tools Suite, Version Control (Git), MVC Architecture, JSP, REST-API, Java Servlets, Linux/Unix, JSON, OAuth, Supervised ML Approaches (Regression, Classification)