Bryan Bee

U.S. Citizen | Active Secret Security Clearance

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Education:

California State University, Los Angeles Expected: 05/2025

Bachelor of Science, Computer Science **GPA: 3.9**

Work Experience:

Technology Analyst Intern | Accenture 06/2024 - 08/2024

HTML, CSS, PostgreSQL, PgAdmin, JavaScript, React, Java, Spring Boot *Los Angeles, CA*

- Revamped the frontend of a client's billing platform using React.js to improve visuals and create a modern, intuitive user interface, which significantly enhanced the user experience for 3.7 million customers.
- Developed secure and efficient SQL queries by employing isolation levels, PgAdmin database analysis, and prepared statements, which enhanced the backend endpoints of the billing platform.

Software Engineer Intern | Partillion BioScience 02/2024 - 05/2024

Python, Jython, Tk-Inter, OpenCV (Computer Vision), ImageJ *Pasadena, CA*

- Spearheaded the development of the particle analysis program for nano-vial particle detection and analysis by utilizing Python and OpenCV, which improved the success rate of quality control by 27.4% and increased the number of high-quality samples in production batches.
- Automated the merging of 100+ composite color channels for nano-vial production images using Jython, drastically minimizing the manual work required to create composite images.
- Conducted comprehensive debugging across multiple programs and actively maintained existing software by creating detailed documentation, which enhanced system reliability and addressed technical debt.

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

Git, JIRA API, Python, Pandas, Matplotlib*, NumPy, TkInter* *Baltimore, MD*

- Collaborated with stakeholders and a team of engineers to automate metrics generation in Python and JIRA's API, which resulted in significant reduction in manual workload for metrics collection across all projects and teams.
- Led the development of a backend data pipeline that generated 50% of the metrics for our automation platform.
- Executed systematic code testing, including bug replication, debugging, and post-resolution validation.

Project Experience:

Customized Spotify Wrapped 06/2024 - 07/2024

Python, Flask, HTML, CSS, JavaScript, React.js, Bootstrap

- Created a web application which emulates Spotify's 'Spotify Wrapped' feature, providing users with personalized Spotify metrics based on their top 10-15 music preferences and listening habits.
- Utilized Flask (Python) for the backend and React.js with Bootstrap for the frontend to create a unique, engaging Spotify Wrapped experience, allowing users to access their top tracks and artist data via OAuth.

Leadership Experience:

Technical Interview Prep. for Software Engineers | President and Founder 09/2022 - Present

- Founded and led a student organization to help aspiring software engineers prepare for technical interviews.
- Responsible for organizing meetings for 80+ 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, Kotlin, C++, C, Typescript*
Libraries/Frameworks:	*Flask, Bootstrap, React.js, Node.js, NumPy, Pandas, Matplotlib, PyTorch, TensorFlow, Scikit-Learn, Keras, OpenCV, Tk-Inter, Spring Boot, Redux*
Tools:	*Agile, JIRA, Confluence, BitBucket, Github, MVC Architecture, Linux/Unix, OAuth, Machine Learning*