Bryan Bee

U.S. Citizen | Active Secret Security Clearance

bryanbee1717@gmail.com | (669) 226-9274 | linkedin.com/in/bryanbee97 | bryanbee.com | github.com/bryan-bee

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, JavaScript, React, Redux, Typescript   *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.
- Collaborated with the backend team to develop data retrieval queries by analyzing the database schema and table relationships, which resulted in SQL queries that streamlined data access for the application's endpoints.

Software Engineer Intern | Partillion BioScience   02/2024 - 05/2024
Python, Jython, Tk-Inter, OpenCV, 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*   *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, Version Control (Git), MVC Architecture, Linux/Unix, OAuth, Machine Learning*