Bryan Bee

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EDUCATION:

California State University, Los Angeles — Expected: May 2025

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

WORK EXPERIENCE:

Software Engineer Intern | We2Link — Aug. 2024 - Present

HTML, CSS, JavaScript, React.js, Firebase — *Remote, USA*

- Engineering a full-stack application with React.js and Firebase to enhance memory management for users with cognitive impairments by helping them efficiently organize memories, passwords, and daily tasks.
- Actively leads 9 software engineer interns in code reviews and scrum sessions, providing constructive feedback to improve designs, code quality, and development processes.

Technology Analyst Intern | Accenture — June 2024 - Aug. 2024

HTML, CSS, PostgreSQL, JavaScript, React.js, Powerpoint — *Los Angeles, CA*

- Revamped the front end of a client's billing platform by migrating to React.js, resulting in a more maintainable, modular, and performant codebase, which significantly enhanced the experience for their 3.7 million customers.
- Contributed to frontend development while acting as a technical liaison, delivering project updates to clients and creating presentations that clarified engineering concepts.

Software Engineer Intern | Partillion BioScience — Feb. 2024 - May 2024

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

- Spearheaded development of the particle analysis program for nano-vial particle detection and analysis, utilized Python and OpenCV to improve particle detection which increased the success rate of quality control by 27.4%.
- Automated merging of 100+ composite color channels for nano-vial production images using Python, enhancing the images used in cancer studies and drastically minimizing the manual work to create composite images.

Software Engineer Intern | Northrop Grumman — June 2023 - Aug. 2023

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

- Led development of 50% of the backend data pipeline to automate metrics generation in Python, resulted in significant reductions in manual labor to generate metrics across all projects and teams.
- Conducted comprehensive debugging and actively maintained existing software by creating detailed documentation, which enhanced system reliability and addressed technical debt.

PROJECTS:

Machine Learning: Human Emotion Detector — Aug 2023 - Dec 2023

Python, Jupyter Notebook, Pandas, Keras, Tensorflow, Scikit-Learn

- Trained various machine learning and deep learning models, including SVM, ANN, and CNN, to predict human emotions from grayscale images, achieving accurate emotion classification through image analysis.
- Preprocessed a dataset of 37,000+ human emotion images taken from Kaggle, utilized Pandas, Keras, and NumPy to optimize them as training data for machine learning models, achieving an average prediction accuracy of 60%.

Customized Spotify Wrapped — June 2023 - July 2023

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

- Created a Flask application using React.js that emulated Spotify's 'Spotify Wrapped' feature, which provided users with personalized Spotify metrics and allowed users to access their data based on their music and listening habits.

LEADERSHIP:

Student Leader | Guardian Scholars Program — Aug. 2024 - Present

- Serve as a student leader and mentor for former foster youth, guiding them on navigating university life and helping them build confidence and skills for academic and professional success.

TECHNICAL SKILLS:

Languages:	*Java, Python, SQL, HTML, CSS, JavaScript, Kotlin, C++, C, Typescript*
Tools:	*Agile, JIRA, Confluence, BitBucket, Github, MVC, Linux/Unix, Firebase, Figma*
Libraries/Frameworks:	*Flask, Bootstrap, React.js, Node.js, NumPy, Pandas, Matplotlib, PyTorch, TensorFlow, Scikit-Learn, Keras, OpenCV, Tk-Inter, Spring Boot, Redux. Tailwind CSS*