James Bradford

Davis, CA | (650)-730-3690 | jrbradford@ucdavis.edu

EDUCATION

University of California, Davis **Davis, CA**
Bachelor's of Science, Computer Science Cumulative GPA: 3.66

- Expected Graduation: June 2025

EXPERIENCE

Software Engineer Intern at CMPLT Solar **Yuba City, CA**

- Developed and maintained cloud infrastructure for our solar energy solutions using AWS services, including EC2, S3, RDS, and Lambda.
- Implemented CI/CD pipelines with Jenkins and GitHub to streamline deployment processes and improve efficiency.
- Participated in the full software development lifecycle, from planning and design to deployment and maintenance.

Software Engineering Fellow at Headstarter AI **Virtual**

- Fellowship with project-oriented focus, collaborating with other software engineers to build out projects and get them to deployment
- Utilized technologies such as NextJS, ReactJS, Firebase, OpenAI, AWS, StripeAPI, RAG, communication, management and more, culminating in presentations to a senior engineer for final validation.

SKILLS

Programming Languages: Python, C, C++, R, JavaScript.
Tools/Frameworks/DB: MySQL, AWS, Next.js, React, HTML, CSS, Bootstrap, Git, Tableau, Jira, Asana, OpenAI
Soft Skills: Flexible, Adaptable, Team Oriented, Critical Thinker, Bilingual Time Management.
Certification: Amazon Web Services Cloud Practitioner (Issued - 2024)

PROJECTS

Solar Sales CRM System **2024**

- Developed a CRM tool for managing client data, sales leads, and installation schedules in the solar sector. Implemented dashboards to track revenue, performance, and project status. Built with Python, Django, and JavaScript, ensuring responsive design and real-time updates for lead tracking and installation dates, including search and email functionality.

FlashSmart **2024**

- Developed an AI-powered flashcard generation tool using OpenAI's GPT model to automatically create educational flashcards from user-provided text. Integrated the application with Firebase for backend storage and implemented a user authentication system using Clerk. Responsive UI built with Next.js and Material UI, ensuring a seamless user experience across devices.

Spotify Data Pipeline Analysis **2023**

- Built a data pipeline using Amazon Web Services to analyze Spotify data. Used S3 for data staging, AWS Glue for ETL processes, Glue Crawler for schema detection, and Amazon Athena for querying once data was stored in a MySQL database. Visualized data with Amazon QuickSight.

LINKS

Interactive Web Resume www.jambradford.com
LinkedIn www.linkedin.com/in/james-bradford-006447245
Github www.github.com/jbradford55