James Bradford

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EDUCATION

University of California, Davis   **Davis, CA**
Bachelor's of Science, Computer Science   Cumulative GPA: 3.66
- Expected Graduation: June 2025

SKILLS

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

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.

PROJECTS

SmartSolar 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 AI   **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.

Aggie AI   **2023**
- Developed an AI-powered chatbot that helps students find UC Davis Computer Science professors and course reviews using natural language processing (NLP). Scraped data from Rate My Professor and integrated OpenAI\'s GPT for text embeddings and real-time interaction, along with voice recognition and speech synthesis features. Implemented a responsive user interface with Material-UI and Next.js, utilizing UC Davis branding for a personalized experience.

LINKS

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