Cameron M. Armijo

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EDUCATION

Baylor University   **Waco, Texas**
B.S. in Computer Science   *Expected Graduation, May 2025*
  o **Coursework:** Data Structures, Algorithms, Software Engineering, Databases, Operating Systems, Networking

EXPERIENCE

Baylor University AI Labs | Python | PyTorch | Pandas   **Waco, Texas**
Undergraduate Research Assistant   *Mar 2024 – May 2024*
- Assisted in utilizing **AI-Assisted** Pattern Discovery to detect stolen car parts from online marketplaces
- Used **PyTorch** to inspect ML models and obtain over **75,000** embeddings to indicate **patterns of interest**
- Utilized the **ViT-Base** vision transformer model to process thousands of images found in Craigslist posts to ultimately produce a document **clustering** images of different car parts
- Drafted a blog post on **baylor.ai** delivering research results and a step-by-step description of each process

Headstarter AI | React | Next.js | AWS | Firebase   **Remote**
Software Engineering Fellow   *July 2024 – Sep 2024*
- Built **5+ AI apps** and APIs using **Next.js**, **Gemini AI**, **Pinecone**, and **StripeAPI**
- Developed projects from design to deployment leading 4+ engineering fellows using **MVC design patterns**
- Coached by **Amazon**, **Google**, and **Capital One** engineers on Agile, CI/CD, Git, and microservice patterns
- Implement **scalable** and **secure cloud solutions** using AWS services, including **EC2**

PROJECTS

Studdy Buddy App | React | Next.js | Spring Boot | MySQL | Google Cloud Platform   *Jan 2024 – May 2024*
http://34.16.169.60:3000/
- Collaborated on a **full-stack** web application for creating meetups and connections between students and tutors
- Developed a dynamic frontend with **React** and a robust backend with Spring Boot, deployed with **Google Cloud**
- Designed the **meetup functionality** so that users can create and invite other users to their meetup complete with notifications using web sockets and an **invite system**
- Authored the **profile functionality** so that users can select a profile picture, write a brief description, and select the courses they are enrolled in

SpeakStudy | React | Next.js | Express.js | Gemini AI   *July 2024*
https://github.com/cama0000/SpeakStudy
- Developed a **web platform** for students to upload PDFs of their lectures to interact with an **AI-powered chatbot**
- Engineered with **speech recognition** technology enabling users to **query** and receive **answers** about their document
- Recognized as a **finalist** out of **over 100 teams** in the **Headstarter Hiring Hackathon**

Quanta Flashcard Generator | React | Next.js | Firebase | Gemini AI   *Aug 2024*
https://quanta-flashcards.vercel.app/
- Developed a **full-stack** web application for students to **generate flashcards** to study with utilizing **Gemini AI**
- Implemented a seamless user interface utilizing **React** to view flashcards and edit decks through **Firebase Firestore**
- Integrated **Gemini AI** for generation of flashcards from user-provided notes through text or file upload, significantly **reducing study preparation time** for users by **50%**

SKILLS

Languages: Java, JavaScript, C, C++, Python, HTML, CSS, SQL
Frameworks: React, Next.js, Express.js, Spring Boot, PyTorch, Flask
Tools: IntelliJ, Visual Studio Code, Bash, Git, Docker, Postman, Firebase