

Cameron M. Armijo

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EDUCATION

Baylor University

Waco, Texas

B.S. in Computer Science

Expected Graduation, May 2025

- **Coursework:** Data Structures, Algorithms, Software Engineering, Operating Systems, Networking, Data Mining

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
- Implemented **scalable** and **secure cloud solutions** using AWS services, including **EC2**

PROJECTS

StuddyBuddy | React | Next.js | Spring Boot | MySQL | Google Cloud Platform

Jan 2024 – May 2024

<https://github.com/Baylor-SEII-Projects-Spring-2024/study-buddy-finder-group-2>

- Engineered 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 a **meetup functionality** so that users can create and invite other users to their meetup complete with notifications using web sockets
- Implemented a **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, Pinecone