

Aya Squalli Houssaini



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Experience

HEADSTARTER FELLOWSHIP

SOFTWARE ENGINEERING FELLOW

JULY 2024 - SEPTEMBER 2024

- Built and deployed 5 AI projects in 5 weeks using React JS, Next.js, Firebase, Clerk, and Vercel, following agile methodologies with weekly sprints and incorporated CI/CD practices for iterative deployment
- Worked in a team of 4 to develop an interactive customer support agent using Next.js, that responds to technical questions using Gemini API
- Collaborated with 3 Fellows to build and deploy a SaaS product that generates dynamic flashcards based on any topic using the Gemini API , integrated a paywall and custom pricing plans using the Stripe API
- Created a mock database of professors' reviews and upsert to a Pinecone index, integrated with a RAG pipeline using Embeddings and OpenAI GPT-3.5-turbo to get up-to-date and relevant answers to user queries
- Scaled each web-app to 50+ users, iterated on user feedback to make continuous optimizations
- Participate in weekly sessions with engineers from Google, Y Combinator, Stanford, Amazon and venture-backed startups
- Worked on Rilla Sales Transcripts Hackathon.

1337 CODING BOOTCAMP

PARTICIPANT

COMPLETED: APRIL 2024

- Participated in an intensive 5-weekend bootcamp focused on using Python for data science.
- Enhanced practical programming abilities and developed a deeper understanding of data science techniques and tools.

MNPC PROGRAMMING CONTEST

VOLUNTEER ORGANIZER

MARCH 2024

- Assisted in organizing and coordinating the MNPC programming contest, ensuring smooth execution of the event.
- Managed logistics, including participant registration, scheduling, and resource allocation.
- Contributed to the promotion and outreach efforts, increasing participant engagement and event visibility

Skills

Python (intermediate to advanced) • C language (intermediate) • React / NextJS (beginner) • JavaScript (beginner) • HTML5/CSS (beginner) • SQL (beginner)

Education

COLLEGE OF COMPUTING-UM6P

STATE ENGINEER IN COMPUTER SCIENCE (BAC+5)

Expected graduation : 2028

- **ACM Chapter Member:** Actively participated in the Association for Computing Machinery (ACM) chapter as a membership chair, contributing to events and workshops.

GROUPE SCOLAIRE LA RÉSIDENCE

HIGH SCHOOL DIPLOMA

GRADUATED: 2023

- **Achievements:** ranked 4th out of 120 students; graduated with "mention très bien" in the sciences maths branch, known for its rigorous curriculum.

Certifications

CS50X: INTRODUCTION TO COMPUTER SCIENCE

Harvard University, edX

COMPLETED: JULY 2024