

Haya AlMajali

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Work Experience

Computer Vision AI Data Engineer, Yuva AI – New York, NY

May 2024 - August 2024

- Created novel datasets (**b.box, segmentation, keypoint & depth**) using physics-based simulation platform for **Fortune 500** healthcare & media clients.
- Optimized large-scale data processing pipeline, reducing speed by **15%**. Saved over **\$10K** in compute costs.
- Increased **synthetic data generation** evaluation system accuracy by **20%** for client projects.

AI Integration and Solutions Engineer, Dakota Systems – Chicago, IL

May 2023 - Nov 2023

- Engineered and optimized **Generative AI models**, integrating OpenAI's GPT models (**GPT-3,4**) into Dakota's web platform to support scalable, production-grade applications.
- Enhanced chatbot's accuracy by **20%** with tailored datasets. Improved response relevance by **30%** through **prompt engineering** techniques aligned with business objectives.
- Leveraged AI tools and libraries (**NumPy, SciPy**) to continuously monitor and optimize the chatbot's performance.

Product Developer, BU Spark! – Boston, MA

May 2023 - May 2024

- Orchestrated the development of a **community-driven** upcycling platform as **Product Manager** and **Lead Developer**. Facilitated weekly **sprint planning** and retrospectives, improving team productivity by **30%**.
- Led a cross-functional team through **40+** agile sprints and **288** development hours, managing the end-to-end development process to deliver a community-driven upcycling platform.
- Collected and analyzed user data from **127** interviews and **13** beta tests. Implemented **6** key features based on feedback, resulting in a **40%** increase in user satisfaction.

Software Developer, ZenHR – Amman, JO

July 2022 - Sept. 2022

- Developed and optimized software components for zenhr.com's front and back-end using **Ruby on Rails**.
- Collaborated with UI/UX sprint teams to implement **5** new features, reducing bounce rate by **20%**.
- Presented my code during weekly team meetings to ensure high-quality standards and alignment across different teams.

Projects

Dibs! | React Native, Expo, and TypeScript

- Developed an innovative upcycling platform using **React Native, Expo & TypeScript**. Focused on building **intuitive user interfaces** and **seamless data integrations**, with a strong emphasis on **performance optimization**.

Skills

Technologies	React, Next.js, HTML/CSS, Node.js, Ruby on Rails, AWS, Vercel, Docker, MySQL, MongoDB, Redis
Languages	Python, Java, JavaScript, TypeScript, C, SML, Ruby
Tools	MS Office (Excel), Trello, Jira, Atlassian, Slack, Google Analytics
Design	Figma, Adobe Creative Cloud, Photography, Motion Graphics, Oil Painting

Education

Boston University – B.S. Computer Science, Minor in Visual Arts

2024

Languages

English (*native*) | Arabic (*native*) | French (*DELFB1 certified*)

Networks

NEXUS (*Impact Society*)

Boston University Women in Computer Science (*E-board Member*)

Tech Week 2024 (*NYC*)