

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.
- Reduced large-scale data processing pipeline 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

- Developed and optimized **AI models** for **text generation** and **chatbot functionality** by integrating OpenAI's GPT models (**GPT-3,4**) into Dakota's web platform.
- Enhanced chatbot's accuracy by **20%** with tailored datasets. Improved response relevance by **30%** through **prompt engineering** techniques aligned with business objectives.
- Utilized AI tools and libraries (**NumPy, SciPy**) to continuously monitor and optimize the chatbot's performance.

Product Manager, 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+** product cycles and **288** development hours, driving the project to successful completion. **Managed** competing priorities in a dynamic, demanding environment.
- 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**, encouraging students to share their unwanted items and promote sustainable reuse within the BU community.

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, 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 (*DELF B1 certified*)

Networks

NEXUS (*Impact Society*)

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

Tech Week 2024 (*NYC*)