

# 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.

### Product Developer, BU Spark! – Boston, MA

May 2023 - May 2024

- Led a team of **UX/UI designers** and **engineers** through the all stages of the **product's lifecycle** – ideation, technical development, and launch.
- Guided my team through **40+** agile sprints by driving weekly planning and retrospectives, as both **Lead Developer** and **Product Manager**.
- Collected and analyzed data from **100+** user interviews and **13** beta tests to inform product requirements. Iteratively **prototyped**, **user tested** and **A/B tested** new features.

### 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 accuracy by **20%** and response relevance by **30%** through **automated testing** and **prompt engineering techniques** aligned with business requirements.
- Leveraged **AI tools** and libraries (**NumPy, SciPy**) to continuously monitor and optimize the chatbot's performance.

### Software Project Manager, BU Spark! – Boston, MA

Sept 2023 - May 2024

- Led student teams in agile sprints to deliver **ML/Generative AI** solutions for clients, improving satisfaction by **20%**.
- Managed **4** project portfolios quarterly, ensuring impactful outcomes and on-time delivery.
- Streamlined **team coordination** and **collaboration** and through **Trello** and **Slack**, enhancing **project success**.

### Software Developer, ZenHR – Amman, JO

July 2022 - Sept. 2022

- Developed and optimized **software components** for zenhr.com's **front** and **backend** using **Ruby on Rails**.
- Collaborated with **UX/UI** sprint teams to implement **3** new features, reducing bounce rate by **20%**.
- Led the ideation and development of new features by incorporating **data analysis** and **user feedback** to ensure alignment with ZenHR's vision and strategic goals.

## Projects

### Dibs! | React Native, Expo, and TypeScript

- Developed a community-driven upcycling platform for Boston residents using React Native, Expo & TypeScript.

## Skills

**Technologies** React, Next.js, HTML/CSS, Node.js, Ruby on Rails, AWS, Vercel, Docker, MySQL, MongoDB, Redis  
**Programming** 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  
**Languages** English (*native*) | Arabic (*native*) | French (*DELF B1 certified*)

## Education

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

2024

## Networks

**NEXUS** (*Impact Society*)

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

**Tech Week 2024** (*NYC*)