

Joshua Do

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EDUCATION

Northwestern University
Bachelor of Arts in Computer Science

Evanston, IL
Expected Graduation, June 2025

Relevant Coursework: Data Structures & Algorithms, Artificial Intelligence, Computer Systems, Operating Systems, Human-Computer Interaction, User Experience Design, Databases, Security, Scalable Software Architectures, and Networking.

TECHNICAL SKILLS

Languages: C/C++, Python, JavaScript, SQL, HTML/CSS, Java
Development Tools/Frameworks: Node JS, React JS, Docker, AWS
Database Management: MySQL
Software/Applications: VS Code, Git, Figma

PROJECTS

[Serverless Cloud Application for PDF Analysis](#) | Python, SQL, AWS Lambda, S3, API Gateway November, 2024

- Designed a serverless, event-driven application to analyze PDFs using AWS Lambda, API Gateway, and S3.
- Implemented an asynchronous API for file uploads, analysis retrieval, and user management via MySQL.
- Added authentication with token-based access control for secure operations.

[DreamMachine](#) | Python, OpenAI API, JavaScript, HTML, CSS August, 2024

- Created a web application utilizing the OpenAI API to generate personalized dream scenarios from user input.
- Developed a responsive front-end with HTML, CSS, and JavaScript for an engaging user experience.
- Implemented backend API interactions to handle GPT-3 prompt customization, processing user input, and delivering scripts.

[tiilt Lab – SportSense Website](#) | JavaScript, React.js, Node.js, Figma February 2024

- Designed and developed a website using Human-Computer Interaction principles to enhance user experience and accessibility.
- Created reusable React components and templates, ensuring consistent design and streamlining content updates.
- Conducted wireframing and prototyping in Figma, incorporating user feedback to refine navigation and visual hierarchy.

EXPERIENCE

Research Assistant February 2024 - On going

Northwestern tiilt Lab

- Collaborated with professors and graduate students on web development and UX/UI design research, focusing on improving accessibility and usability.
- Designed and implemented responsive websites using HTML, CSS, and JavaScript to meet user-side and client-side needs.
- Built and optimized backend functionality using Python and SQL to manage databases and support dynamic web applications.

Sales Associate September 2020 – September 2023

Ollie's Bargain Outlet

Eagleville, PA

- Managed inventory, restocking, and store maintenance to ensure a smooth customer experience.
- Worked closely with colleagues to streamline daily operations, leveraging strong communication skills to coordinate tasks.
- Consistently recognized by supervisors with the highest monthly sales award, demonstrating a strong work ethic and dedication.

AWARDS

QuestBridge March 2021

- QuestBridge Scholar