

Adam Shaar

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github.com/AdamSWS

ashaar.me

Education

University of Illinois at Chicago
Bachelor of Science in Computer Science

May 2024
Chicago, IL

University of Illinois at Chicago
Master of Science in Computer Science

December 2025
Chicago, IL

Experience

Software Developer

Jul 2024 – Current

Fisher Printing

Bridgeview, Illinois

- Integrate machine learning practices and artificial intelligence into ad creation pipeline.
- Developed e-commerce platforms using modern technologies, focusing on performance and user experience.
- Communicate with clients on specifics regarding digital circular needs.

Projects

Circular-to-Excel Conversion Tool | *TypeScript, Rust*

- Cross platform Tauri app that leverages YOLO, PaddleOCR, and LayoutLMv3 to process sale advertisements into shelf cards automatically.
- Built on Tauri with a focus on cross platform compatibility. Integrates usage of CUDA and Apple NPUs for inference power.
- Built for company usage (Fisher Printing)

Ace Hardware Digital Circular | *Typescript, React, Vite*

- Revamped Ace Hardware's local ad circulars with modern technologies.
- Integrated cheaper solutions for geo-location, map displays and API calls.
- Built for company usage (Fisher Printing)

VIBE-AI | *Python, Javascript*

github.com/AdamSWS/VIBE-AI/

- Fine Tuned GPT-2 on web-scraped Youtube comments for content creators to generate video ideas.
- Used RNN models to find text sentiment to generate concept ideas.

Deep Space - Escape Room | *C#, Unity*

github.com/AdamSWS/DeepSpace

- Developed a 2D futuristic spaceship escape room game using Unity.
- Implemented game mechanics and puzzles to enhance player engagement.

NBA Trading Effectiveness Study | *Python, Pandas, Seaborn, Sklearn*

github.com/AdamSWS/NBA-Trading-Study

- Used random forest models to predict roster rotation effectiveness in the NBA.
- Created visualizations using Seaborn to present data trends and findings.

Technical Skills

Languages: Rust, C++, C, Python, F#, Java, HTML, CSS, TypeScript, C#

Technologies: React.js, Spring Boot, Express.js, TensorFlow, PyTorch, jQuery, Bootstrap, Node.js, Tailwind, Postgres, Firebase, Git, GitHub, Jira, NumPy

Certifications

Machine Learning A-Z: AI, Python R + ChatGPT Prize

Udemy, 2025

Certificate Link: UC-433d2e12-5f7e-4c52-bf7f-400d8901a0fc

The Complete Full-Stack Web Development Bootcamp

Udemy, 2024

Certificate Link: UC-82d9534b-a546-44eb-b030-8b5eff960140