

John Zolton

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EDUCATION

The University of Akron School of Law, Akron, OH

Juris Doctor GPA: 3.35 / 4.00

May 2023

Activities and Honors: Akron Law Honors Scholar, Dean's List Fall 2021, Fall 2022

The University of Akron, Akron, OH

Bachelor of Science in Biomedical Engineering: Tissues and Biomaterials with Co-Op May 2020

GPA: 3.55 / 4.00

Activities and Honors:

Williams Honors Scholar, Dean's List: Spring 2020, Fall 2019, Spring 2019, Fall 2017, Fall 2015

University of Akron Scholarship for Excellence, Honors Scholarship

Varsity Track and Field, 2015-2017

WORK EXPERIENCE

Skyward IT Solutions, Rockville, MD

Software Engineer

Jan 2025 – Present

- Transformed production chatbot from rigid path-following to flexible agentic system using Model Context Protocol and custom Llama-Index workflows
- Engineered streaming architecture providing real-time visibility into agent reasoning, tool selection, and response generation
- Developed Terraform-based infrastructure-as-code solution for reproducible LLM inference engine benchmarking across cloud providers
- Created custom performance testing tools capturing LLM-specific metrics (time-to-first-token, throughput) for 4 inference engines and 25+ open-source models
- Led proof-of-concept implementation of Anthropic's Model Context Protocol, conducting technical deep dives and mentoring 5 interns on practical applications
- Delivered executive presentation to C-suite leadership demonstrating strategic business value of MCP integration

McBee, Moore & Vanik IP, LLC, Frederick, MD

Patent Attorney

Aug 2023 – Jan 2025

- Secure patent protection for a variety of technologies.
- Manage worldwide prosecution for multiple clients.

Patense.ai

Founder/Creator

Jan 2024 – Aug 2024

- Developed Patense.ai using Next.js, tRPC, Prisma, Tailwind, and AWS Lambda to help patent lawyers analyze documents
- Built cloud and privacy-first local solutions utilizing LLMs, with 2X performance boost through vLLM implementation
- Increased search speed by 300% via prompt engineering and created scalable data processing with custom $O(n \log(n))$ algorithm searches.