

Alexander K. Holland

hello@alexholland.tech | 920.946.9398 | Madison, WI | www.alexholland.tech

PROFESSIONAL EXPERIENCE

Kohler Company

Kohler, WI

AI Engineer

June 2025 - Present

- Unlocked \$2M+/year savings by leading enterprise Legal AI platform evaluation and deployment, partnering with vendors, attorneys, and senior leadership to assess capabilities, define high-value use cases, drive adoption, and measure ROI.
- Automated review of 50K+ competitor products against thousands of design patents by building an AI pipeline that converts product imagery & prior art into 3D models and ranks infringement risk using custom geometric similarity metrics.
- Caught 20+ critical software vulnerabilities by developing an AI-driven CVE monitoring agent that parses newly published advisories, matches affected technologies to internal applications, and triggers owner-specific alerts.

Data Scientist

May 2023 - June 2025

- Developed lead scoring model shown to save \$3.55M/year from current methods through personalized sales.
- Improved cost and speed of marketing efforts by 50%+ by building backend of in-house "customer persona" web app.
- Enhanced demand forecasting model accuracy (\$3 billion+ manufacturing decisions/year) through hyperparameter tuning.

Holland Socials LLC

Madison, WI

Founder

July 2021 - Present

- Co-founded a digital media company specializing in social media marketing, event promotion, and e-commerce.
- Grew various social media pages to 100,000+ followers, averaging over 12,000 likes per week on individual accounts.
- Increased individual client sales by 250%+ YoY in 90 days by implementing targeted social media marketing strategies.
- Built 4 custom websites, managed all company data, oversaw company technology, and directed brand partnerships.

PROJECTS

Qualify - AI Job Search Platform

joinqualify.com

- Designed and shipped a production job search platform using Next.js, TypeScript, FastAPI, Python, PostgreSQL, and GCP, supporting onboarding, resume workflows, job discovery, and application tracking for early-career candidates.
- Developed AI features for job matching and application workflows, including resume tailoring, contact discovery, verified job recommendations, and user-specific application guidance.
- Built large-scale job ingestion system across 70K+ company career sites and major ATS platforms, with deduplication, filtering, LLM-assisted parsing, and structured normalization into a personalized job feed.
- Own end-to-end production infrastructure, CI/CD, deployment, monitoring, and iteration for a live platform used to source real opportunities — like the job posting that is the reason you're reading this resume.

Cynthia - Ambient AI Smart Mirror

June 2023

- Built an early ambient AI system combining a custom smart mirror, voice interface, live API data, and remote SMS access.
- Engineered conversational workflows with Google Vertex AI and Python including wake-word detection, speech recognition, voice synthesis, calendar automation, and real-time Q&A, all delivered through SMS and an always-on personalized display.

EDUCATION

University of Wisconsin - Madison

Madison, WI

Bachelor of Science in Computer Science & Data Science

Minors: Mathematics & Leadership

SKILLS

Languages/Frameworks: Python, SQL, R, Spark, Java, C/C++, Flask, Bash, MATLAB, HTML/CSS, XML, LC3 Assembly

Developer Tools: Azure, Google Cloud Platform, Git/GitHub, Visual Studio, Vim, RStudio, Android Studio

CERTIFICATIONS AND INTERESTS

Certifications: Microsoft AZ-900, Microsoft AI-900

Interests: Quantum computing, Impromptu speech, Badger football, Billy Joel, Waterskiing