MATTHEW MIGLIO

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PROFESSIONAL SUMMARY

- 22-year-old engineer with real-world experience deploying ML systems, building client-facing websites, and leading tech strategy. Skilled across AI, DevOps, and full-stack development.

EDUCATION

Kettering University, Flint, MI   July 2020 – September 2026
Bachelor's in Computer Science

- Senior I, A-section
- Seeking a co-op position for the April–June and October–December terms.

International Academy of Macomb, MI   July 2016 – March 2020

- GPA: 3.50 | SAT/ACT: 1350
- Higher IB courses completed: Calculus, Physics, English, Environmental Studies, Spanish

WORK EXPERIENCE

Magna Electronics, Southfield, MI   April 2024 – Present
Engineer Intern

- Trained, optimized, and deployed AI/ML models using PyTorch and ONNX Runtime for vehicle occupant classification algorithms for Euro NCAP 2026.
- Used NumPy, Pandas, and Matplotlib to analyze data, evaluate model performance, and identify weaknesses in data collections.
- Used Python to design secure, user-friendly apps for team members to safely upload, manage, and retrieve large datasets using AWS.

Pixel Bargain, Atlanta, GA   January 2025 – Present
Web Developer & Technical Consultant

- Design, build, and maintain full-stack websites for 10–20 clients using modern frameworks like Next.js, Vite, and Webflow, tailored to client needs and optimized for SEO, responsiveness, and scalability.
- Act as the lead technical advisor, implementing analytics, review integrations, automations, and internal tools to streamline client operations.
- Evaluate and integrate tools like Loveable AI, choosing frameworks and solutions based on project scope and performance requirements.
- Collaborate with a lean, high-impact team to deliver measurable business results across web and automation projects.

VOLUNTEER EXPERIENCE

Community Fundraiser, Flint Water Crisis Relief (2016)

- Co-led a campaign that raised funds for food and water during the crisis; donations went to Catholic Charities.

TECHNICAL SKILLS & TOOLS

- **Languages & Scripting:** Python (5 years), JavaScript, React, NextJS, TypeScript, HTML/CSS
- **Web Development:** Full-stack development using Next.js, Vite, Webflow, and REST APIs; experience with responsive design, SEO, and cloud deployment (3 years)
- **Machine Learning & AI:** PyTorch, ONNX, NumPy, Pandas, Matplotlib; experience in data collection, model training, optimization, and deployment (3 years)
- **Cloud & DevOps:** 2 years of experience with AWS (EC2, S3, IAM), GitHub Actions, Git, GitHub, CI/CD pipelines, and automation scripting
- **Project Experience:** 5 years managing open-source projects with collaborative workflows, pull requests, and code reviews