Michael Telakowicz

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Education

University of Akron **May 2026**
Bachelor of Computer Science – Minor in Applied Mathematics
- Awards: Williams Honors Student, Presidential Scholar, Choose Ohio First Scholar – **GPA: 3.55**
- Coursework: Software Engineering, Data Structures, DevOps, Database Management, Object Oriented Prog.
- Extracurriculars: **Phi Gamma Delta** – Fundraising Chair, **NASA Robotics** – Software Team

Technical Skills

- **Languages:** HTML | CSS (+ SCSS, BEM) | JavaScript | Typescript | Python | C++ | Java | Ruby | PHP | SQL
- **Frameworks:** Bootstrap.css | Tailwind.css | React.js | Vue.js | Next.js | Three.js | Material-UI | Redux | Laravel
- **Technology:** NPM | Yarn | Git | CMake | Docker | React dev tools | Firebase v9 | GitHub | GitLab | AWS

Professional Experience

Web Developer **Mar 2024 – Current**
University of Akron College of Business – Akron, OH
- Serve as the sole web developer for the College of Business, maintaining over **300** web pages using **HTML**, **CSS**, and **Bootstrap** to ensure a consistent and engaging online presence.
- Implement an average of **3** tickets per week, working directly with stakeholders to gather requirements and ensure timely delivery of web updates and enhancements.
- Utilize **Photoshop** to crop and edit images for web content, ensuring high-quality visuals that enhance the overall user experience and reducing unnecessary photo sizes by up to **80%** for faster loading times.

Software Engineer Intern, 2nd Rotation **Jun 2024 – Aug 2024**
PRC-Saltillo – Wooster, OH
- Identified inconsistencies in hardcoded admin role lists in the **front-end** and spearheaded the development of a centralized configuration file in **Vue.js** to establish a single source of truth for contributor roles, resulting in a **66%** reduction in code duplication.
- Managed and maintained an **SQL** database supporting over **1000** users, ensuring optimal performance, data integrity, and security measures.
- Integrated **20+** user stories into an existing **PHP** codebase, demonstrating adaptability in a fast-paced development setting and reducing bug-fixing time by **20%.**

Software Engineer Intern **Jun 2023 – Sept 2023**
Codehouse Solutions – Remote
- Spearheaded the development of a **3-page** responsive eCommerce store, transforming **Figma** designs into functional prototypes using **TypeScript** and **React**, with dynamic content that adjusted based on the user's membership status, ensuring robustness and scalability.
- Led backend development for a **Next.js** web application as part of a **4-person** team, utilizing **AWS Amplify**, **Lambda** functions, and **DynamoDB** to achieve faster time-to-market and enable serverless horizontal scaling for the project.
- Implemented secure **API** endpoints with **AWS AppSync**, improving data access efficiency while maintaining a strong focus on security and authentication, which led to a **33%** reduction in data access errors.

Projects

Space Model | space-model.web.app
- Designed and developed a visually immersive **3D** model of the solar system utilizing the **Three.js** framework, enhancing user engagement and understanding of astronomical concepts.
- Integrated an external **API** to dynamically fetch and display detailed descriptions and information about all 8 planets, ensuring up-to-date and informative content.

Video Game eCommerce Store | game-mart-1617a.web.app
- Developed a **React**-based multi-page eCommerce website with an interactive user interface, search functionality, shopping cart, and user data-saving capabilities.