Drew Igoe

978-491-1043 | drewigoe.swe@gmail.com | linkedin.com/in/drewigoe | github.com/druiw | portfolio

Education

Arizona State University Tempe, AZ

Bachelor of Science in Computer Science (Software Engineering) *Jan 2022 – Dec 2026*

- **Relevant Coursework:** Data Structures and Algorithms, Mobile App Development, Object-Oriented Programming, Operating Systems, Software Engineering, Computer Systems, Theoretical Computer Science
- **Clubs:** Software Developers Association (SoDA), Google Developer Student Club

Projects

Inventory Manager | *React, JavaScript, Supabase* Jul 2025 – Present

- Built inventory tracker handling 100+ items in real time
- Enabled seamless add, edit, and delete flows with Supabase, cutting update time to less than 1 second
- Delivered a mobile-responsive UI that adapts to different screen sizes, improving usability across devices
- Added validation to block invalid entries, preventing over 90% of data errors

Miso | *JavaScript, HTML* Jun 2025 – Jun 2025

- Created task manager for 50+ daily tasks, enabling instant updates without reloads
- Engineered front-end logic for smooth, sub-100ms task updates, enhancing responsiveness
- Delivered a minimal UI that prioritized clarity and faster task organization

Roadmap Generator | *JavaScript, Vercel, OpenAI API* May 2025 – Jun 2025

- Built a roadmap generator app that produced customized learning plans in under 5 seconds using OpenAI's API
- Created node-based UI enabling 20+ step exploration, enhancing engagement
- Deployed serverless API on Vercel that blocked direct API key exposure, ensuring security
- Automated GitHub to Vercel deployment pipeline with 99% uptime and error handling

Cloud Resource Tracker | *Python* Apr 2025 – May 2025

- Developed CLI to manage 50+ simulated cloud resources with JSON persistence
- Cut setup time by 80% using persistent storage across sessions
- Designed UUID-based tracking for 2x faster resource lookups
- Planned AWS integration (DynamoDB, S3) to extend tool to production

Lego Robot Taxi Service (Spyn) | *MATLAB, Robotics, Autonomous Navigation* Jan 2022 – May 2022

- Programmed EV3 taxi robot with 100% obstacle avoidance in tests
- Optimized navigation to complete routes 30% faster than baseline
- Project earned 1st place among 20+ teams, leading to early completion of the FSE 100 course
- Demonstrated teamwork and applied robotics principles in a practical, competition-driven environment

Technical Skills

Languages: Java, Python, C/C++, Swift, JavaScript, SQL, MATLAB
Web & Frameworks: HTML/CSS, React, SwiftUI, PyQt5, UIKit, JUnit
Tools & Platforms: Supabase, Git, Xcode, VSCode, Visual Studio, Figma, Google Cloud Platform