

# Drew Igoe

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## EDUCATION

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### 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

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### Inventory Manager | *React, JavaScript, Supabase*

Jul 2025 – Present

- Developed a simple inventory tracking app to help clients easily manage their product stock
- Enabled users to add, edit, and remove items with real-time updates using Supabase as the backend
- Crafted a responsive and modern UI in React to support efficient inventory tracking
- Added form validation and helpful error messages to improve the user experience

### Miso | *JavaScript, HTML*

Jun 2025 – Jun 2025

- Built a lightweight task management web app enabling users to create, update, and delete tasks in real time
- Structured front-end logic to deliver smooth, responsive updates without page reloads
- Designed a clean, responsive UI optimized for modern productivity workflows

### Roadmap Generator | *JavaScript, Vercel, OpenAI API*

May 2025 – Jun 2025

- Developed a web app that generates step-by-step learning roadmaps using OpenAI's GPT-3.5 API
- Built a dynamic frontend with interactive roadmap nodes connected using LeaderLine.js
- Created a secure serverless API with Vercel to proxy requests and protect the OpenAI key
- Integrated environment variables, GitHub deployment, and error handling for production use

### Cloud Resource Tracker | *Python*

Apr 2025 – May 2025

- Built a command-line tool to simulate cloud infrastructure resource management (e.g., EC2, S3)
- Implemented resource creation, listing, and deletion with persistent local JSON storage
- Designed system to assign UUIDs and track resource metadata like type, status, and creation time
- Planned future integration with AWS (DynamoDB, S3) to extend functionality to the cloud

### Lego Robot Taxi Service (Spyin) | *MATLAB, Robotics, Autonomous Navigation*

Jan 2022 – May 2022

- Developed an autonomous EV3 robot to simulate a taxi transporting passengers to designated locations
- Programmed the robot to navigate obstacles, ensure passenger safety, and complete the transport efficiently
- Won first place prize resulting in an early completion of the class
- Created as part of FSE 100: Introduction to Engineering at Arizona State University

## TECHNICAL SKILLS

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**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