

# Kareem Alaiwat

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## EDUCATION

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### Lawrence Technological University

Aug 2024 – Present

*Non-Degree Seeking Student (Dual Enrollment) — GPA: 4.0/4.0 UW*

*Southfield, MI*

- Classes: Computer Science II, Software Engineering I, Discrete Mathematics, Introduction to Data Science, Computer Networks, Comp Arch and Assem Prog, Calculus 3

## EXPERIENCE

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### Engineering Intern

Jan 2026 – Feb 2026

*Nolla Health*

*Remote*

- Engaged in a cross-company partnership to integrate Derm AI features into the Nolla Acne iOS app
- Developed primarily in Swift / SwiftUI and used tools like mise for testing and building
- Designed and implemented in-app scanning streaks and a native home screen widget for streaks
- Architected and delivered an Accomplishments feature, added detailed accomplishments sheet to track prescribed-treatment adherence, skin improvement, and streak maintenance
- Added environment-aware weather widgets that surface skincare recommendations based on local conditions

## PROJECTS

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### Derm AI | *Expo, React Native, Node.js, Firebase*

June 2025 – Present

- Founder and CTO of Derm AI, an app for AI-powered skin analysis and product recommendations
- Built a dynamic React Native questionnaire to gather user skin data, preferences, and concerns across inputs
- Developed a secure Firebase backend to store scans, ingredients, and product safety data in real time
- Integrated OpenAI and Cloud Vision APIs to analyze skin and suggest products based on user profiles
- Reached over 1,000 users, over 20,000 app store impressions, nearly 2,000 scans taken

### SpareLot | *HTML, CSS, React.js, Node.js, Firebase*

June 2024 – June 2025

- Founder and CTO of SpareLot, a fullstack platform for users to rent out underutilized storage spaces
- Implemented Firebase Auth, Firestore, and Cloud Functions to handle secure user data, listings, and transactions
- Built a responsive and interactive UI using React.js, HTML, and CSS, optimizing for usability across platforms
- Maintained a modular GitHub codebase built for collaboration, CI/CD workflows, and version control

### IOCTL Driver | *C++, Windows Driver Kit*

March 2024

- Developed a Windows driver using IOCTL to enable communication between hardware and user applications
- Implemented custom IOCTL codes to handle data exchange between user-mode and kernel-mode processes
- Engineered modular components for scalability and easy addition of future command interfaces
- Explored OS internals and reverse engineering techniques through direct interaction with kernel functionality

### SC.NET | *C#, HTML Agility Pack*

May 2023

- Built an open-source C# utility to scrape detailed swim meet results and athlete profiles from swimcloud.com
- Circumvented lack of a public API by leveraging HTML Agility Pack to parse dynamic web content efficiently
- Packaged the tool as a reusable library to simplify access to swim data for developers and team analysts
- Enabled data-driven insights and community collaboration through standardized, automated data extraction

## TECHNICAL SKILLS

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**Languages:** C++, C#, Swift, Java, Python, HTML, CSS, JavaScript, TypeScript

**Frameworks:** SwiftUI, TCA, React.js, React Native, Node.js, Firebase

**Developer Tools:** Codex, Claude Code, Git, Google Cloud Platform, VS Code, Visual Studio

## CERTIFICATIONS

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**Information Technology Specialist in Java:** Certiport / Pearson VUE

**Information Technology Specialist in Python:** Certiport / Pearson VUE