

# Matthew Arenivas

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[LinkedIn](#) | [Portfolio Website](#)

## EDUCATION

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**Arizona State University**  
*Bachelor of Science in Computer Science*

August 2022 – May 2026  
Tempe, AZ

## TECHNICAL SKILLS

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**Languages & Tools:** Java, C++, C, Python, Swift, JavaScript, TypeScript, SQL, Bash, GitHub, Figma

**Web Development:** React, Next.js, Tailwind CSS, Node.js

**Certifications:** Algorithms (Stanford University), UI/UX Design (Google)

## EXPERIENCE

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**Software Engineer**  
*EPICS, Arizona State University*

August 2024 – Present  
Tempe, AZ

- Contributing to the development of an autonomous wildfire drone monitoring system.
- Implemented real-time fire detection using **OpenCV**, integrating HSV color segmentation and **Python**-based contour analysis.
- Designed algorithms to estimate fire distance dynamically and overlay results on video feeds.

**Software Engineer Intern**  
*BCAMP*

June 2024 – August 2024  
Phoenix, AZ

- Collaborated on the frontend of "Ticketchain," a blockchain-based platform using **React** and **Tailwind CSS**.
- Enhanced user experience by incorporating responsive layouts and intuitive navigation.

**Team Lead Manager**  
*Chick-fil-A*

November 2020 – September 2021  
Phoenix, AZ

- Oversaw **team management** by scheduling and conducting **training sessions** for new employees.
- Improved efficiency by optimizing staff placement during peak hours and maintaining health and safety standards.

## PROJECTS

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**Ticketchain**  
*Blockchain App*

June 2024  
Phoenix, AZ

- Developed a blockchain-based ticketing platform using **React** and **Tailwind CSS** for responsive design.
- Integrated **ThirdWeb** for secure ticket purchases and blockchain functionality.

**Portfolio Website**  
*Personal Website*

May 2024 – Present  
Phoenix, AZ

- Created a responsive website showcasing technical skills and projects using **React** and **Next.js**.

**SpaceBattle**  
*Game Application*

May 2024  
Phoenix, AZ

- Developed a modern remake of Galaga using p5.js, a **JavaScript** library for game mechanics.

**BookBetter**  
*Web Application*

January 2025  
Phoenix, AZ

- Developed a platform for buying and selling books using **Java** for backend and frontend logic and **SQL** for database management.
- Implemented search and filtering features to improve user experience using **JavaFX**.