

Aidan Callahan

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EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Arizona State University

December 2023

Tempe, Arizona

Member of NASA's L'Space program and the Sundial Program

- Relevant Coursework: Distributed Software Development, Software Integration and Engineering, Software Analysis and Design

PROJECTS

FanFindr - Arizona State University Capstone Project

January 2022 - December 2023

Lead Designer and Developer

Tempe, Arizona

- Spearheaded the end-to-end development of FanFindr, a sports fan community platform facilitating connections among fans and local sports bars. Executed the creation of two apps - a React Native mobile app and a React web app - to ensure seamless accessibility.
- Designed and implemented intuitive user interfaces for both mobile and web applications, ensuring a seamless user experience across all devices.
- Built a robust backend functionalities to support user authentication, real-time updates, and data storage with Node.js.
- Orchestrated the deployment of both applications on AWS.
- Created multiple user databases using MongoDB for user authentication use in both applications.

NFL Central

September -November 2024

Lead Designer and Developer

Tempe, Arizona

- A full-stack NFL-themed application allowing users to create accounts, access a personalized dashboard with games, news, real-time NFL data, and customizable themes.
- Integrated live APIs to fetch and display real-time scores, standings, and news, ensuring up-to-date NFL data across the app.
- Implemented secure user registration and login with password hashing (bcrypt) and JWT authentication for session handling.
- Built three display modes: Light Mode, Dark Mode, and a Team-Specific Mode where colors adapt to the user's favorite NFL team.
- Designed a customizable dashboard displaying user-specific information, including team standings, personalized news, and pick'em games.
- Achieved a fully functioning app with end-to-end data handling, from backend API calls to frontend display. Successfully implemented a backend supporting user accounts, game tracking, and data updates. Improved app performance and usability through optimization and responsive design, accommodating various screen sizes.
- **Frontend:** React, Context API, React Router, CSS, Responsive Design. **Backend:** Node.js, Express, MongoDB/Mongoose

Portfolio Website

January 2024 - February 2024

Lead Designer and Developer

Tempe, Arizona

- Developed and designed a custom portfolio website utilizing HTML, CSS, and JavaScript to showcase a curated selection of projects and design skills.
- Built the website using React and various libraries, including framer motion for animations and react router for page navigation.
- Implemented multiple animations and interactive features to enrich the user experience, including image reveal effects on scroll, dynamic text crawls, and subtle hover animations. Improved visual engagement but also provided a smoother and more interactive browsing experience.

EXPERIENCE

Farmhand

May 2014 - August 2018

Salcot Planting

Casa Grande, Arizona

- Spent summers working on family-owned farms, performing a variety of tasks including tractor driving, planting crops, and engaging in various manual labor activities.

SKILLS

- CSS 3
- HTML 5
- JavaScript
- React
- React Native
- Express
- C#
- Node.js
- MongoDB
- Git / GitHub
- Responsive Design
- AWS
- Expo Go
- Java