ZACK JOYCE

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Link To Github:

BACKGROUND

Computer Science graduate from Michigan State University specializing in full-stack development and mobile app development, with a strong portfolio of successful projects delivered to real end-users.

EDUCATION

Michigan State University, Bachelor of Science, Major: Computer Science | Cognate: Business, 2023
● GPA 3.627.

SKILLS

● Languages: C#, Python, C++, XAML, JavaScript, Java, SQL, NoSQL.
● Development tools: Unity, Xcode, React, Spring Boot, .NET, various ML libraries.
● Back-end technologies: Oracle Cloud, Google Cloud, AWS, REST services, Apache Tomcat, DynamoDB.
● Notable credits in Databases, Networks, Machine Learning, Biometrics, and Software Engineering.
● Strong experience in graphic design and UI development.

WORK EXPERIENCE

NFL Coaching Tree Web App - Freelance 🗓 July 2023 - September 2023 📍 Remote
● Developed a Web App for a client using React, AWS Amplify, GraphQL, DynamoDB, and email authentication.
● Allows admin to upload documents to the database through Excel, as well as manually change database contents through queries.
● Allows users to search the database for coach matchup overlap and coaching tree correlations.

Ausuma Development Solutions - Intern 🗓 May 2022 - August 2022 📍 Remote
● Worked with a development team in web design, bug testing, and full-stack development for an ERP system.
● Attended and participated in daily meetings with the engineering department and assisted in front-end development.

DailyDrive - Mobile App Developer 🗓 May 2022 - August 2023 📍 East Lansing, MI.
● Developed and published mobile app DailyDrive to the App Store and Google Play Store to over 300 total users.
● Created using Unity 3D for the front-end and Google Cloud services for the back-end.
● Features database capabilities to provide SMS 2 factor authentication, push notifications, and complex database queries.
● Received official sponsorships from various golf apparel companies and great reviews.

Eagle Eye Golf Course - Grounds Crew 🗓 May 2021 - August 2022 📍 East Lansing, MI.
● Worked 6AM - 2PM, 6 days a week, in lawn maintenance, greens management and other needed tasks for Eagle Eye golf course.

Roto North America - Intern 🗓 October 2018 - January 2019 📍 Chester, CT.
● Worked on Patent searches, differentiating patents for relevance based on exact measurements of products and tolerances, along with organizing the results of these searches and reporting to management.
● Shadowed product research and manufacturing.

PROJECTS

Union Pacific Switch Alignment Mobile App
● Worked with a team to develop a mobile app for the Union Pacific Safety and Regulations department.
● Personally developed back-end with a REST API hosted on an Apache Tomcat web server and Oracle Cloud Database.

Product System Cross-platform App
● Created a product system management cross-platform app using .NET Maui and Google Firebase.
● Uses Firebase Authentication to create users and Firebase Database to store products.

Lane Management System
● Tasked to create a high assurance system to provide functionality for a lane keeping system on a vehicle.
● Includes SRS document, use-case diagram, domain model, sequence diagrams, state diagrams, and prototype made using Unity 3D.