Zack LaCanna

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EDUCATION

Arizona State University   **Tempe, AZ**
B.S in Computer Science   *2019 - 2023*

WORK EXPERIENCE

Range Automation Systems   **Jan. 2024 – Present**
Full-Stack Engineer   *Scottsdale, AZ*
- Head of development of a Blazor Web App capable of live tracking of driving range statistics globally, integrating REST API functionality for remote start/stop control.
- Engineered scalable backend applications using C#, Java, and VB.NET to integrate external APIs and manage operations for various functions of each machine at every venue.
- Responsible for deploying updates of Web App across EC2 instances in multiple regions, ensuring a seamless experience and maintaining 99.99% uptime for all clients.
- Designed and implemented a Python-based application featuring Optical Character Recognition (OCR) and machine learning algorithms to automate the sorting of golf balls in real-time with parameters of color and brand. Achieved a 500% increase in sorting efficiency.
- Leveraged Cloud computing expertise, with a focus on AWS and Azure, to architect, deploy, and maintain scalable and dependable applications.
- Developed a JavaScript-based Google Chrome extension for web scraping, using AJAX to transmit extracted data to a local server, where a backend C# application parses and processes the information.

Circle.ooo   **May 2023 – Dec. 2023**
Software Engineer   *Tempe, AZ*
- Led the development of a section of the Circle app, a cross-platform mobile app that utilizes a variety of technologies to allow users to wirelessly exchange information by tapping their phones together
- Developed an algorithm to accurately determine the distance between two phones
- Improved the profile sharing feature of the Circle app by 300% by creating a new streamlined process
- Enhanced the UI for Share portion of the app by creating new menus in Flutter and Dart
- Managed project deliverables and team assignments

InfoSys   **May 2023 – Aug. 2023**
Software Engineering Intern   *Phoenix, AZ*
- Developed and implemented an algorithm to automate the onboarding process in Python
- Optimized the workflow of hiring manager, resulting in a 250% reduction in time expended for daily candidate information updates
- Exercised a leadership role within a team environment, to achieve the assigned task
- Made application run efficiently on all major platforms (MacOS , Windows , Linux)

TECHNICAL SKILLS

Languages: Java, C#, C++, Python, JavaScript, Swift, SQL, Dart, C, CSS, HTML, MatLab
Frameworks / Runtimes: React, Blazor, Node.js, ASP.NET, JUnit, Flutter, SyncFusion
Certificates (via LinkedIn)**:** SwiftUI, Python, C++, C, Java, JavaScript, Excel, Data Structures
Developer Tools: Git, GitLab, Visual Studio, Android Studio, VS Code, PyCharm, Eclipse, Intelli, Docker
Libraries: OpenCV, Tesseract, AmCharts, AWS, pandas, NumPy, Win32Client, TensorFlow, TKinter