

Antonio Lu

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🌐 antonio-lu.github.io/About-Me/

EDUCATION

OREGON INSTITUTE OF TECHNOLOGY

3.85 GPA

Bachelor of Science, Major in Software Engineering

2020 - 2024

Relevant Coursework: Advanced .NET, Machine Learning, Software Design Patterns, Database Systems and Designs, Data Structures, GUI Programming, Engineering for Quality Software, Engineering Management, OOP with C++

EXPERIENCE

MICROCHIP TECHNOLOGY

GRESHAM, OR

Full Stack Software Engineer Intern

April 2022 – October 2023

- Primary developer of a dynamic web application, granting the manufacturing team autonomy in configuring their data entry and display pages. Resulted in significantly reduced dependence on developers for minor adjustments and expedited engineering and manufacturing operations
- Designed and maintained SQL Server databases for various applications with SSMS
- Implemented RESTful API endpoints to facilitate seamless communication with other internal projects, enhancing interoperability within the company ecosystem
- Incorporate Agile by utilizing Azure DevOps for sprint planning and team collaboration
- Provided support and guidance to new interns by setting up meetings to help facilitate onboarding process, integrate into new projects, address concerns and provide feedback

PROJECT

Ticket Tracker

- Designed and implemented Ticket Tracker application independently within 12 weeks
- Integrated Seatgeek API to track 500+ events, fetching pricing information and storing it efficiently in AWS RDS MySQL database
- Utilized AWS Lambda to automate and streamline data retrieval process, ensuring real-time event pricing information every four hours
- Developed an aesthetically pleasing and intuitive dynamic web application with ASP.NET MVC
- Employed SOLID principles, Unit of Work pattern, MVC pattern, and Repository pattern to ensure maintainability, scalability, and code quality

SKILLS

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|-------|----------------------|---|----------------|------------|
| • C# | • ASP.NET MVC | • Python | • JavaScript | • jQuery |
| • C++ | • SQL Server | • MySQL | • Azure DevOps | • HTML/CSS |
| • C | • Bilingual: Chinese | • AWS (Lambda, RDS, ECR, ECS, CloudWatch) | | |

CERTIFICATIONS

JavaScript Algorithm and Data Structures
FreeCodeCamp.org

Responsive Web Design
FreeCodeCamp.org