

# Antonio Lu

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## EDUCATION

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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

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MICROCHIP TECHNOLOGY

GRESHAM, OR

**Full Stack Software Engineer Intern**

April 2022 – October 2023

- Utilized a tech stack of C#, ASP.NET MVC, SQL Server, jQuery, HTML/CSS, and Azure DevOps
- 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 databases for various applications with SSMS and SSIS
- 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

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**Ticket Tracker**

- Utilized a tech stack of C#, ASP.NET MVC, MySQL, jQuery, Chart.js, HTML/CSS, and AWS services (Lambda, RDS, ECR, ECS, Cloudwatch)
- 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 data retrieval process, ensuring real-time event pricing information every four hours
- Developed an aesthetically pleasing and intuitive user interface for displaying of data
- Employed SOLID principles, Unit of Work pattern, MVC pattern, and Repository pattern to ensure maintainability, scalability, and code quality

## CERTIFICATIONS

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**JavaScript Algorithm and Data Structures**

FreeCodeCamp.org

**Responsive Web Design**

FreeCodeCamp.org