

# Micah LaSala

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## Education:

**University of North Carolina at Charlotte**, Charlotte, NC | May 2024

Bachelor of Computer Science | Concentration: Software, Systems, and Networks (3.20 GPA)

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## Technical Skills:

**Languages:** C#, Javascript, Python, SQL, Java, HTML, CSS, C++

**Additional Tools:** Git, Docker, Gradle

**Practices:** REST APIs, Cloud Web Service APIs, Performance Optimization, Database Design, Application Development, Documentation, Test Writing

**Frameworks:** React, ASP.NET, NodeJS, TensorFlow

**Platforms:** Visual Studio, VSCode, .NET, Azure, IntelliJ, Android Studio

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**Related Courses:** Software Engineering, Cloud Computing, High Performance Computing, Database Design and Implementation, Data Mining, Data Structures and Algorithms

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## Projects:

### Exoplanets Visualizer

- React, BabylonJS, PostgreSQL, NodeJS
- Web-based 3D visualizer for data from the NASA Exoplanets Archive

### Image Ranking Web App, Capstone Project

- Full stack SPA Web Application
- React, MUI, ASP .NET, Docker, Microsoft Azure, Kubernetes, Entity Framework, PostgreSQL
- Completely self-directed, responsible for research, design, implementation, and testing.

### Social Media Service, Software Engineering

- Developed backend and frontend features to demonstrate a functional social media service using Flask.
  - Designed and utilized a SQL database schema to store and retrieve posts and accounts.
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## Development History:

- Code Organization, Detailed Documentation, Encapsulation and Implementation Design
    - Microservices and Component-based architectures
  - Performance Optimization, Bottleneck Identification and Remediation, Scalability
  - Writing Automation Tools, Utilities, Tests
  - Debugging, Creating appropriate Debug Messages and Variables, Identifying and Correcting Runtime and Logic Errors
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## Work Experience:

### Math/Science Tutor

*Huntington Learning Center*, Cary, NC

Oct 2024 - Present

### FOH Worker

*Noodles and Company*, Cary, NC

Jun 2020 - Aug 2022 (Summers)