

# Gabriel Fonseca Lacerda Cruz

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## SUMMARY

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Professional software engineer with a B.S. in Computer Science and hands-on experience in teaching and leadership. Skilled in Python, JavaScript, SQL, C#, and XAML. Keen ability to design, code, test, and document complex systems. Adept at collaborating with teams to deliver client-focused, reliable software.

## WORK EXPERIENCE

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### iCode of Wellesley

*Senior App Development Instructor*

**Wellesley, MA**

*2023 - Present*

- Developed and delivered app development curriculum in C# and XAML, emphasizing program design, testing, and proper documentation, increasing class enrollment by 35%.
- Conducted hands-on coding workshops for over 300 students, applying practical testing methods and problem-solving activities, improving parents' response by 67%.
- Introduced foundational subjects including Java, Python, JavaScript, Front-end, Back-end, SQL, and Lua, aligning lessons with industry standards and practices, increasing students' positive feedback by 62%.

### Guerriero Gelato And Cakes

*Store Manager*

**Caldwell, NJ**

*2020-2023*

- Managed a team of 30+ employees in daily operations, improving the management of scheduling, communication, and maintaining documentation.
- Analyzed sales and customer feedback to identify trends and make data-driven decisions, leading to an increase in the sales of products by 25% and services by 32%.
- Mentored and coached team members to improve skills, ensuring clear and consistent communication across the organization, increasing the efficiency of employees, and lowering labor costs by 30%.

## RELEVANT SKILLS

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- **Programming Languages:** Python, C# (.NET), C++, XAML, JavaScript (React, Node.js), TypeScript, SQL
- **Development & Tools:** Git, VS Code, Eclipse, Microsoft Office, Trello, Microsoft Power BI
- **Methodologies & Practices:** Agile Methodology, REST APIs, DevOps, Docker

## EDUCATION

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### Caldwell University

*Bachelor of Science in Computer Science*

**May 2023**

*GPA: 3.76, cum laude*

- Coursework: Data Structures and Algorithms, Networking and Communications, Computer Architecture and Design, Advanced Web Design, Design & Analysis of Algorithms

## PROJECT EXPERIENCE

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### Database Predictive Analysis in Python

- Defined and examined a business problem using a dataset with over 80,000 entries.
- Tested and analyzed evaluation models such as Logistic Regression, Decision Trees, Random Forest, K-NN, Vector Machine, and Neural Networks using predictive analytical methods.

### Handwritten Digit Recognition Using TensorFlow in Python

- Implemented a TensorFlow-based classification model for recognizing handwritten digits in the MNIST dataset, achieving high accuracy.

### Expanding Operator Functionality With Bitwise Operations in Python

- Introduced operators such as '&', '~', '|', '<<', '>>', and '>' with their respective functions using bitwise operations in a made-up programming language.

### Front- and Back-End Programs in JavaScript

- A Weather Application that uses an API key to provide the weather information for any country's capital.