

Marc Diaz

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EDUCATION

University of Florida, Herbert Wertheim College of Engineering
Bachelor of Science in Computer Information Science and Engineering

December 2021

GPA: 3.78

WORK EXPERIENCE

Microsoft

Jan 2022 - Present

Software Engineer II

Redmond WA

- Contributed to the release of Office Scripts in [Mac and Windows](#) in C++ and the release of [Team Ownership](#) experience in TypeScript/React.js for web frontend, C++ for desktop app, and C#/ASP.NET Core backend supporting ~ 1 million MAU users
- Built tooling to streamline A/B testing for new features on our team and enable teammates to run experiments independently
- Operating and maintaining a high throughput queueing system in Azure ensuring capacity availability for user code execution resulting in reducing Sev incidents by half
- Designing new features the Office Scripts team for Web, Windows, and Mac to help users automate their tasks in Excel

Software Engineering Intern

May 2021 – August 2021

- Designing new UI features for the Office Scripts team for Excel Online in React and Redux with Jest and Cypress for testing.
- Validating the effectiveness of features using A/B testing and analyzing telemetry data to make cohesive conclusions.

Amazon

Jan 2021 – April 2021

Software Development Engineering Intern

Sunnyvale, CA

- Engineered a web application using Amazon RDS, React, webpack, and AWS EC2 to display device testing metrics and updates for Bluetooth, Wi-Fi, and Zigbee teams under Connectivity QA to reduce 30 hours of analyzing test status updates.
- Built a Python automation tool to analyze common errors from logs and bug Jira tickets

Capital One

June 2020 – August 2020

Software Engineering Intern

Mclean, VA

- Collaborated with the Enterprise team contributing to a web application that tokenizes sensitive data to adhere to PCI compliance.
- Utilized Angular for front end, Lua for back end, and MySQL for database management running on Nginx and Docker.

PROJECTS

EduGator

August 2021 - Present

- Founder of <https://edugator.app>, a computer science learning platform for students to practice programming problems
- Lead the full Architecture design using AWS, Go, React, ECS
- Deployed and scaled a code-execution service through queue management and capacity scaling to support different languages for 1 million+ submissions
- Continually scaling/iterating to meet students' needs and hold weekly meetings for feature improvements

Care++, ShellHacks

September 2019

- Won best [Hardware Hack award for Matrix Labs](#) using their development board.
- Created a kit monitoring in home weather conditions and fall detection to alert health care providers and caretakers of conditions.
- Developed the front-end for the dashboard using React and Material-UI, backend using Express, Node.js and Socket.io.

Papers & Awards

SIGCSE TS 2025

Feb 2025

- February 18th, 2025: EduGator: [An AI-enabled Tool for Creating and Delivering Interactive Computing Content](#) by Marc Diaz, Dustin Karp, Prayuj Tuli, Amanpreet Kapoor, presented at the 56th ACM Technical Symposium on Computer Science Education

American Society for Engineering Education

May 2023

- May 3rd, 2023: ["Computing Students' Design Preferences and Barriers When Solving Short Programming Problems"](#) by Joseph Paul Hardin, Marc Diaz, Amanpreet Kapoor, presented at the American Society for Engineering Education.

Career Influencer Award

June 2023

- Recognized for shaping career development through teaching and mentorship that helped prepare UF computer science students for work, citizenship, and life <https://career.ufl.edu/faculty/faculty-staff-career-symposium/career-influencer-awards/>

SKILLS

- Languages: Python (Proficient), TypeScript (Proficient), C#, C++, SQL, Node.js, Go
- Technologies: AWS, Terraform, Docker, Azure, ASP.Net Core, Service Fabric