

Marc Diaz

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EDUCATION

University of Florida, Herbert Wertheim College of Engineering

December 2021

Bachelor of Science in Computer Information Science and Engineering

GPA: 3.78

WORK EXPERIENCE

Microsoft

August 2021 - Present

Software Engineer II

Redmond WA, Jan 2022 – Present

- Contributed to the release of Office Scripts in [Mac and Windows](#) in C++ and the release of [Team Ownership](#) in the in-client experience in TypeScript/React.js
- Implement data pipelining using Azure Data Factory to help measure our OKRs and think of ways to improve the product
- Designing new UI features for the Office Scripts team for Web, Windows, and Mac to help users automate their tasks in Excel
- Aid in reducing maintenance costs on service side and implementing ways to detect issues faster

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

- Creator/maintainer of <https://edugator.app>, a computer science learning platform for students to practice programming problems
- Lead the full Architecture design using React for frontend, Docker and AWS Elastic Beanstalk
- Continually scaling/iterating to meet students' needs and hold weekly meetings for feature improvements for 1800+ students at University of Florida

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.

Publications & Awards

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/>

RESEARCH

Graphics Imaging and Light Measurement Laboratory

August 2018 - August 2019

Undergraduate Researcher

Gainesville, FL

- Partnered with the department of Oncology at UF Health to discover new leads on imaging and classification tools.
- Investigating deep learning techniques for detecting & classifying cells in slide scans using a variation of Single Shot Detection

SKILLS

- Languages: Python (Proficient), TypeScript (Proficient), C++, PHP, SQL, C#
- Frameworks & Technologies, React, Redux, Playwright, Jest, Nginx, Docker, AWS, Azure Data Factory, Kusto, Service Fabric