Nicholas Aristizabal

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EDUCATION

University of Central Florida | BS in Computer Science   **Spring 2025**
- GPA: 3.65

SKILLS

C/C++ | Java | Python | Rust | JavaScript/TypeScript | Team Management | Leadership | Problem Solving

PROJECTS

Full Stack Mobile application (MERN) - Project Manager   **October 2023 - December 2023**
- As the project manager, I orchestrated the development of a full-stack mobile application using react native with a backend using NodeJS.
- Designed and developed the front end of a social recipe management app using React Native.
- Collaborated with a team of 5 to develop and deploy our app.

Full Stack Web application (LAMP) - Project Manager   **August 2023 - October 2023**
- Designed and developed the project's front end using HTML, CSS, and JavaScript.
- Collaborated in the development of the back end using PHP and MySQL.
- As the project manager, I fostered a cohesive team environment by facilitating communication, resolving conflicts, and motivating team members to achieve excellence.

PL/0 Compiler in C - Developer   **May 2023 - August 2023**
- Utilized the understanding of Assembly language, Code parsing, and Tokenizing.
- Used Git to work as a team with a partner to complete the project.

8-, 16 -, & 32-bit Checksum in Java - Developer   **April 2023**
- Created an algorithm that will calculate the checksums for different inputs at different bits.
- Used bitwise operators, buffered readers, and binary arithmetic to read and make calculations.

Maze Solver in Java - Developer   **January 2023**
- Created an algorithm that will solve a given maze using backtracking.
- Learned many different tools in Java that can be used to optimize programs such as Hash Tables/Sets, Buffered Readers, and Memoization.

WORK EXPERIENCE

Student Academic Resource Center @ UCF, Peer Tutor   **January 2022 – Present**
- Utilize a variety of techniques to tutor students in Organic Chemistry I and Computer Science I that align with their preferred learning styles.
- Lead 2-hour long group tutoring sessions for each subject to help each tutee master the material.

HONORS AND ACHIEVEMENTS

Excellence in Chemistry 2019 | Bright Futures Medallion Scholarship 2019 | National Honor Society 2017 | CRLA Level II 2022 | UCF Dean's List 2019-2023 | UCF President's List 2020

Orlando, Florida, 32817

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February 18th, 2024

Hiring Manager NXP Semiconductors

To whom it may concern,

I am writing to express my interest in NXP Semiconductors' Summer 2024 Software Engineering Internship. With an outstanding academic foundation, a passion for solving difficult problems, and a demonstrated ability to excel in team environments, I am eager to contribute my skills and dedication to your dynamic organization.

I am currently pursuing a Bachelor of Science Degree in Computer Science at the University of Central Florida and am expected to graduate in the Spring of 2025. My coursework and hands-on projects have equipped me with a diverse skill set that includes proficiency in languages such as C, C++, Java, JavaScript/TypeScript, Python, and Rust. As a software developer, I have worked on many projects and have enhanced my creative problem-solving abilities, algorithmic thinking, and effective/efficient coding practices.

One of my most notable projects is developing a full-stack mobile application using React Native and NodeJS. This project required me to collaborate closely with a 5-member team, demonstrating my ability to work collaboratively using version control tools like Git. My work on a Calculator project in Rust showcased my mastery of working with and coming up with complex algorithms using Rust. These experiences have given me the confidence to tackle challenges and the adaptability needed in a rapidly evolving technological landscape.

Additionally, my role as a Peer Tutor at the Student Academic Resource Center (SARC) has allowed me to leverage my knowledge in Computer Science and Object-Oriented Programming to help fellow students grasp complex data structures and algorithms. My ability to adapt different tutoring approaches to different learning styles has improved my interpersonal communication skills and ability to explain complex subjects to others.

I am excited about the possibility of contributing to your team and learning from the talented individuals at NXP Semiconductors and I look forward to the opportunity to discuss how my skills and experiences align with the company's goals. Thank you for reading through my cover letter, to reach me, email me at nicholas.aristizabal@gmail.com.

Sincerely, Nicholas Aristizabal

Mini Interview

https://www.youtube.com/watch?v=gQ5INOk1kkk