

KRISNA COLINDRES

kcolindresportfolio.netlify.app | krishnadamodara10@gmail.com | www.linkedin.com/in/krisna-colindres | 352-474-7292

Education

University of Florida

Gainesville, FL

Bachelors of Science in Computer Science and Certificate in Artificial Intelligence, GPA: 3.44

Dec 2023

Technical Skills

Backend: C++, Java, Python, MySQL, MongoDB, Git, Firebase, Linux, JUnit, FUSE, pkg, Electron, Node, Google APIs.

Frontend: JavaScript, HTML, CSS, React, Tailwind, Next.js, WebdriverIO, Cucumber, Gherkin, Figma, UX/UI design.

Professional Experience

VISA Inc.

Highlands Ranch, CO

Software Engineer Intern

Aug 2023 - Dec 2023

- Stepped up as the **project owner** for the test automation tool and expanded the team by involving additional QA specialists, which led to enhanced team dynamics and more efficient testing processes.
- Directed the project by assigning **Jira** tickets, leading discussions on automation tickets during stand-ups, conducting **code reviews**, and overseeing pull requests, culminating in the project's timely and successful completion.
- Started the transformation of the completed test automation project into a standalone desktop application, utilizing **pkg** and **Electron**, which will make the tool an invaluable internal resource for other teams and enhance its overall utility.

VISA Inc.

Highlands Ranch, CO

Software Engineer Intern

May 2023 - Aug 2023

- Diagnosed and resolved critical and small bugs in Risk Services Manager, a fraud alert application using **React.js** expertise, leading to a 5% boost in system stability and enhanced overall user experience.
- Developed and implemented automated testing for the user interface of Risk Services Manager utilizing **WebdriverIO.js** in a dedicated QA environment, which reduced the test time of 1200 tests from 5 minutes to 30 seconds.
- Automated data validation for accurate test output, utilizing data from relational databases retrieved with **SQL** queries, which ensured seamless integration and future usability by avoiding hardcoding.

UF Computer and Information Science and Engineering

Gainesville, FL

Teacher Assistant for Intro to Software Engineering

Aug 2023 - Present

- Oversaw four teams as the 'client' for a project, guiding the development of an educational platform for kids to learn how to code, which resulted in an educational website, enhancing students' understanding of software engineering.
- Provided extensive assistance in **React** coding and bug resolution, along with backend guidance using **Strapi** for individual and group projects, fostering a deeper grasp of front-end and back-end technologies in students.
- Conducted lab sessions on software engineering practices, web development, and data structures & algorithms, enhancing students' understanding of the software development life cycle.

National Center for Construction Education & Research

Alachua, FL

Information Technology Intern

Oct 2021 - Dec 2023

- Migrated data from legacy to upgraded systems, utilizing **Intel Manageability Commander**, resulting in a seamless transition and improved data processing performance.
- Implemented and optimized network security protocols, contributing to a 5% reduction in system vulnerabilities and enhancing overall cybersecurity posture, by regularly updating software and monitoring network activity.
- Streamlined operational workflow using Agile Software Engineering methodologies and **Spiceworks** for ticket management, thereby augmenting overall operational efficiency.

Personal Projects

Custom Programming Language/Compiler | Java, Object Oriented Programming, Junit, and Git Jan 2023

- Laid a solid foundation for syntax and semantic analysis as measured by designing a robust parser for detailed syntactical analysis and a lexical scanner for token identification, by meticulously executing a compiler in **Java**.
- Accurately evaluated expressions and managed control flow within the custom language's core functions as measured by integrating advanced function handling and logical constructs, by carefully and expertly refining the compiler.

School Involvement, Leadership, and Awards

Mentor for Society of Hispanics Professional Engineers and Color Stack at UF

Jan 2022 - Present

- Supported and guided first-gen computer science freshmen and transfer students, actively mentoring to foster success.

Vice President for the Engineering Club at Santa Fe College

Jan 2022 - Dec 2022

- Facilitated to improve students' transfer applications and engagement by organizing engineering workshops and events.

Merit Scholarships: GMIS STEM, GRU STEM Brighter Tomorrow, and Tom Giacomini JBT Engineering.