**VIVIAN D’SOUZA**

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**EDUCATION**

**University of South Carolina** | Honors College | *Columbia, SC* **Expected May 2024**

**Bachelor of Science *in Computer Science*** *-*Information Assurance SpecializationGPA: 3.96

**COURSEWORK**

Building Secure Software | Computer Networking | Data Structures and Algorithms | Information Security Principles |Introduction to Web Development | Operating Systems | Software Engineering

**EXPERIENCE**

**Swampfox Technologies** *Columbia, SC*

*Software Engineering Intern*  **June 2022 – August 2022**

* Developed a diagnostic application for two customer experience products, reducing time spent debugging common issues
* Coded six Java back-end applications to test network connectivity, place calls in VXML/CCXML format, and execute license checks
* Designed and implemented a web interface utilizing ReactJS and RESTful API, allowing users to execute checks and aggregate useful error messages from three sources

**University of South Carolina** – Language Conflict Project *Columbia, SC*

*Undergraduate Research Assistant*  **March 2021 – June 2022**

* Developed a Python program to calculate a measure of lexical similarity between four languages
* Employed Pandas and Natural Language Toolkit libraries to perform webscraping, text manipulation, and analysis on large data repositories and news articles
* Presented findings at DiscoverUofSC 2022 and the Communication, Conflict, and Peace Conference 2022 hosted by Liverpool Hope University

**ACTIVITIES & INVOLVEMENT**

**Women in Computing**, Treasurer **August 2021 – Present**

* Among 20 students selected to attend Grace Hopper Celebration 2021 and 2022
* Create presentations and arrange discussionson various technology topics with executive board

**University of Limerick, Ireland,** Exchange Student **January 2022 – May 2022**

* Took courses in Data Structures, Web Development, and Performance Technology
* Served as an English and Spanish conversation partner to three other students through a weekly language exchange

**PROJECTS**

***Internship Finder* Java, JSON**

* With a team, developed a console program for students to find and apply to internships
* Applied Factory and Façade design patterns to manage four types of user profiles and facilitate log-in and editing of posts
* Managed five repositories of data that were read from and written to JSON

***Covid Visualization Site*** **HTML, CSS, JavaScript, Python**

* Compiled Python data visualizations for data regarding cases, tests, and vaccinations
* Utilized Bootstrap and HTML to create a functional website
* Awarded Optum Best Healthcare Hack at PearlHacks 2021

**SKILLS & TOOLS**

Java | Python | HTML/CSS | C++ | Git | JavaScript | UNIX/Linux | React | MySQL | Agile | Spanish (B1) | German (A1)