Portfolio

Hasan A. Zaidi

Hassan.zaidi0122@gmail.com | (813) 470-0793 | Tampa, FL | github.com/hasanzaidi1

EDUCATION

Bachelor of Science, Major in **Information Technology**, Minor in **Mathematics** Graduation Date: **December 2024**
University of South Florida **GPA:** 3.42/4.00

Key specialized courses: Software System Development, Advance Program Design, Data Structures, Computer Networks, Penetration Testing, Bridge to Abstract Mathematics, Mathematical Statistics, Calc I-III, Linear Systems, Linear Algebra, Discrete Structures

SKILLS

Platforms/Operating Systems:	Android, iOS, Windows 10/11, Mac OS, Linux
Programming:	C (Array, Structures, Pointers), Rust (Ownership, Vectors, Enums), C#, Java (Object Oriented Programming), JavaScript, HTML, CSS (Bootstrap), Groovy, Python, Dart, Bash
Technologies/Environment:	MySQL, MSSQL, MATLAB, Eclipse, AutoCAD, Adobe Photoshop, Adobe InDesign, MS Visual Studio, Microsoft .NET Framework, Selenium Framework, Azure DevOps, Git, Flutter, Command Line, Terminal, Shell
Network tools:	Wireshark, Network Enumeration
Soft Skills:	Organized, Sequential work, Abstract views.

RELEVANT EXPERIENCE

QA Automation Engineer Intern, WebstaurantStore, Lititz, PA May 2023 – Aug 2023

- Developed and maintained **automated test** scripts using **Selenium WebDriver** and **Groovy**.
- Conducted **regression testing** to ensure software stability, identifying and reporting critical defects before release.
- Utilized **Agile methodologies** to design and implement a set of Common Classes, optimizing them for **reusability** in test cases. Presented the optimized classes to senior management, resulting in a reduction in coding time.
- Actively participated in **optimizing the performance** of our automated test suite. By reevaluating the existing test scripts and identifying areas for improvement, I implemented enhancements that significantly **reduced script execution time**.
- Embracing a dynamic and **fast-paced** environment, swiftly **adapting** to new tools and technologies.

KEY PROJECTS

Spotting The Hacker Project, USF Jan 2023 – May 2023

- Led a team of three students in the development of a robust C program for real-time **error checking** of incoming data packets.
- Implemented multiple error-checking methodologies, including **Checksum**, **Parity Check**, and **2D Parity Check**. The program efficiently read and processed data bytes, applying the respective error-checking algorithms to **ensure data integrity and reliability.**

Securing The Message Project, USF Jan 2023 – May 2023

- Developed a vigorous **RSA encryption algorithm** using Rust to enhance **message security**.
- Designed and implemented encryption algorithms while adhering to secure coding practices, ensuring **data confidentiality** and **integrity**.
- Emphasized encryption strength to establish a **secure foundation** for communication.

LEADERSHIP AND AFFILIATIONS

- IEEE Computer Society (member since 2022), USF Student Chapter Dec 2022 – Present
- ACM (Association for Computing Machinery), USF Student Chapter Aug 2023 – Present
- USF Swimming Club Aug 2022 – Present