

Sarah Diaz

575-652-2024 | diazsarah30@gmail.com | [linkedin.com/in/sarah-diaz/](https://www.linkedin.com/in/sarah-diaz/) | <https://github.com/SarahDiazZ>

EDUCATION

New Mexico State University

Las Cruces, NM

Bachelor of Science – Computer Science; GPA: 3.77

Aug. 2020 – Dec. 2024

Google Tech Exchange

Remote

Scholar; GPA: 4.0

Jan. 2023 – May 2023

- Completed Applied Data Structures course, learning advanced data structures and algorithms to solve complex programming problems.
- Completed Software Development Studio course, learning how to design, develop, and deploy full-stack web applications using industry-standard tools and technologies.
- Completed Careers in Tech course, gaining insights into the different career paths available in the tech industry and learning strategies for success.

EXPERIENCE

Simulation & Integration Intern

Fort Belvoir, VA

DevCom C5ISR; Secret Clearance

June 2023 – Aug. 2023

- Developed two applications utilizing Power Apps and Microsoft Lists. One of these apps was a step counter, while the other served as a Contract Tracker, enabling users to monitor the status of their contracts & track signatories.
- Conducted security scans to proactively identify vulnerabilities within our systems. I then produced comprehensive reports to address and mitigate these vulnerabilities effectively.
- Documented the data flow during provisioning using Wireshark and expertly configured radios to specific bandwidths for Wireshark captures, ensuring accurate and detailed network analysis.
- Collaborated closely with Microsoft in testing new equipment, promptly reporting any issues encountered to our team, thereby contributing to a seamless implementation process.

Information Technology Student Technician

Las Cruces, NM

New Mexico State University

Feb. 2022 – Present

- Successfully resolved a wide range of computer problems, ensuring minimal downtime for faculty and staff.
- Implemented streamlined maintenance procedures, resulting in improved efficiency and reduced system downtime.
- Developed and executed coding scripts to automate software updates and deployment processes, enhancing overall division-wide productivity.

GMiS Conference

Pasadena, CA

CAHSI

Oct. 2022

- Actively engaged in educational webinars and valuable networking opportunities.
- Demonstrated commitment to enhancing knowledge and skills through participation in cybersecurity workshops.
- Applied problem-solving abilities and collaborated with peers in a competitive hackathon competition.

PROJECTS

Wiki Server | *Python, HTML/CSS, JavaScript, Flask, Git, Google Cloud*

Jan. 2023 – May 2023

- Utilized various APIs, frameworks, and libraries to enhance the functionality of the wiki server/website.
- Leading a team of 2 developers, we used GitLab to manage code changes and merge requests.
- Utilized Google Cloud buckets to store sensitive information such as usernames, passwords, articles, profile pictures, and other data.
- Conducted comprehensive unit testing to validate code correctness and ensure expected behavior, utilizing Python libraries & frameworks, as an integral part of the development process.

FrostFyte | *Game Maker Language (GML), Platform Fighter Engine, GameMaker Studio*

Jan. 2023 – May 2023

- Developed a fighting game called FrostFyte using Game Maker Language (GML) and PFE.
- Programmed the user interface (UI/UX) and implemented two stages, one character, and their respective moves.
- Programmed character moves, optimized hitboxes, and delivered a polished gaming experience.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, HTML, CSS, JavaScript

Developer Tools: Unity, Visual Studio, Linux, Wireshark, Google Cloud, Git, Tenable Security