Daniela Martinis

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EDUCATION

Texas A&M University   College Station, TX
Bachelor of Science in Computer Science, Minor in Mathematics   *Aug. 2021 – May 2025*
- **Aggie Women in Computer Science Member**
- **Relevant Coursework:** Programming Design and Concepts, Discrete Structures for Computing, Data Structures and Algorithms, Computer Organization, Programming Languages, Linear Algebra, Calculus I, II, and III

WORK EXPERIENCE

Student Wireless Network Technician   Jun. 2023 – Present
Texas A&M University   *College Station, TX*
- Contribute to project management for the Next Generation Aggie Network, which seeks to better the capacity, speed, manageability, security, and performance of the Texas A&M campus wireless network
- Configure wireless access points to be deployed
- Troubleshoot existing access points around campus
- Work with wireless management platform Aruba Central
- Maintain database of configured access points per campus building using Excel

Barista   Jun. 2021 – Jan. 2023
Starbucks   *College Station, TX*
- Honed communication skills by listening to customer needs and handling concerns quickly and effectively
- Maintained productivity while working in a fast-paced environment handling multiple tasks at once
- Committed to fostering a collaborative work environment with other workers during every shift
- Adapted to last minute equipment and inventory changes while maintaining the flow of the store

PROJECTS

Personal Portfolio Website | *HTML, CSS, JavaScript*
- Designed a professional website to showcase technical skills, interests, and qualifications
- Developed using HTML and CSS for the general website layout
- Used JavaScript to implement a toggle button that changes the website style by switching between CSS files

Attendace App | *Java, JavaFX, SceneBuilder*
- Developed an Attendance database with Java utilizing JavaFX and SceneBuilder
- Allows a user to input an attendance roster and swipe log data
- Utilized Object Oriented Programming design to organize and display data based on criteria such as lateness, check-in and check-out times, and absences
- Allows a user to interact with database and look through the organized data

Custom UnorderedMap Implementation | *C++*
- Developed a custom UnorderedMap data structure in C++ to store and retrieve key-value pairs
- Implemented core functionalities such as insertion, retrieval, and dynamic resizing of the hash table
- Optimized element access by utilizing an array of pointers for efficient mapping
- Implemented a hash table chaining structure, where multiple elements were organized into chains within the same bucket
- Managed memory allocation and deallocation to avoid data leaks throughout

TECHNICAL SKILLS

Languages: Python, C, C++, Java, HTML, CSS
Developer Tools: Git, Google Cloud Platform, VS Code, Ubuntu, PyCharm, Eclipse
Libraries: NumPy, Matplotlib