Allen Hernandez

214-845-2690 | allen.hernandez200@gmail.com | [LinkedIn](#) | [WebPortfolio](#)

TECHNICAL SKILLS

C++, Java, Python, Typescript, Svelte, NODE, SQL, HTML, CSS, Javascript, MongoDB, API

WORK EXPERIENCE

StandardUser Cyber Security   **Denton, Texas**
Intern   *Oct 2022 - Jan 2023*

• Studied software development techniques to build a secure web application, resulting in a decrease in system vulnerabilities.

• Conducted regular QA assessments to locate & rectify errors in the system, resulting in a reduction of bugs.

• Mastered the fundamentals of networking, including IP addressing & subnetting, routing protocols, and network security.

PROJECT EXPERIENCE

EPICS   **Richardson, Texas**
Comet Cupboard Web Application   *Jan 2023 - May 2023*

• Part of a team to work on the user interface (UI) of a web application using the Svelte framework with TypeScript. Participating in developing and integrating UI components, conducting quality assurance, and resolving technical issues.

• Serving as Project Lead, responsible for planning, managing, and dividing responsibilities among a team of 5 developers. Facilitated team communication and collaboration, utilizing agile methodologies to increase team efficiency and improve overall project outcomes.

• Developed API routes using TypeScript, creating robust and type-safe endpoints for seamless communication between the client and server.

Society of Hispanic Engineers   **Richardson, Texas**
Technology   *Aug 2020 - Dec 2021*

• Worked with the tech team to ensure that the website structure was user-friendly and aligned with organizational values.

• Created and published new web pages, including writing and formatting content, and inserting images and videos.

School Project   **Richardson, Texas**
Maze Generator   *Aug 2021 - Aug 2021*

• Implemented a Maze Generator using Disjoint Sets, leveraging user-provided row and column inputs for a dynamic maze creation.

School Project   **Richardson, Texas**
Email Validation Program with Flex and Bison   *Mar 2022 - Apr 2022*

• Developed a robust email validation program using Flex and Bison, which successfully scanned emails with an accuracy rate of 99.9%.

Senior Design   **Richardson, Texas**
Graduate Advisors   *Jan 2023 - May 2023*

• Developed an automated system to create audit reports and degree plans for students, reducing processing time by 50% and decreasing errors by 75%.

• Demonstrated proficiency in Apache POI by utilizing its powerful features and APIs to generate professional Word documents.

LEADERSHIP EXPERIENCE

Undergraduate Success Scholars   **Richardson, Texas**
Member of Social Board   *Aug 2019 - May 2020*

• Organized and implemented events for students

• Held the position on the social board, but contributed to public events and other boards.

Society of Hispanic Engineers   **Richardson, Texas**
Community Service Chair   *Aug 2020 - May 2021*

• Presented multiple community service events to members for community service and/or technology exposure.

• Helped create the mentorship program for the organization.

• Raise funds for the organization

EDUCATION

The University of Texas at Dallas   **Richardson, Texas**
B.S of Computer Science   *May 2023*