

# Carson Smith

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## EDUCATION

### The University of Texas at Dallas

*Bachelor of Science in Computer Information Systems, Minor in Cybersecurity*

Richardson, TX

*Aug. 2024 – Present*

### Allen High School

*Foundation High School Program, Distinguished Level of Achievement*

Allen, TX

*Aug. 2020 – May 2024*

## EXPERIENCE

### Co-Founder, QA/Project Manager

*CS\_Squared*

May 2024 – Present

*Allen, TX*

- Tested, debugged, and approved all code before deployment
- Wrote and maintained a collection of test scripts using Playwright to ensure proper functionality of all code
- Spearheaded efforts to ensure standardization of code and documentation early in the company's development
- Was first contact between the development team and other teams
- Distributed tasks and managed multiple project timelines to ensure timely delivery

### Back-End Developer

*Allen STEAM Life App*

August 2023 – May 2024

*Allen, TX*

- Utilized Amazon AWS to host the backend of the app
- Managed various databases using DynamoDB and RDS store user data and app information
- Maintained communication with project manager to ensure app and server security
- Maintained communication with front-end developers to ensure proper data flow and app functionality

## PROJECTS

### Petrophysics Inc. Catalog Rewrite | *TypeScript, SQL/SQLite, Pocketbase, React*

July 2024 – Present

- Rewrote the Petrophysics Inc. seismic data catalog to improve performance and user experience
- Utilized Pocketbase to manage the database and improve data retrieval times
- Developed a React front-end to display the catalog and allow users to search for seismic logs and velocity surveys
- Collaborated with web developers from CS\_Squared in order to smoothly implement the catalog on the website

### Self-Hosted Email Server | *Linux, Shell, SMTP, IMAP*

March 2024 – April 2024

- Configured a self-hosted email server with Mail-in-a-Box in order to start using my own domain for email
- Configured SPF, DKIM, and DMARC to verify email deliverability and authenticity
- Ensured functionality of the email server by sending and receiving test emails through Outlook and Thunderbird

### Self-Hosted Webserver & Personal Website | *HTML, Node.js, Tailwind CSS, Astro, React, Apache*

July 2024

- Configured DNS and Apache, and brought online [cartt.one](https://cartt.one) to host my personal website
- Implemented SSL using certbot and Let's Encrypt to secure the website
- Utilized Astro to generate static pages and improve performance
- Utilized Tailwind CSS to style the website and improve responsiveness

## TECHNICAL SKILLS

**Languages:** LaTeX, Shell, HTML/CSS, Java, JavaScript, TypeScript, Python, SQL/PartiQL

**Frameworks:** Django, Flask, React, Tailwind CSS, Astro, WordPress

**Developer Tools:** Docker, Git/GitHub, FreeDNS, Node.js, Vite, VS Code, JetBrains

**Libraries:** Matplotlib, NumPy, NLTK, OpenCV, Pandas, SQLite, Tkinter

**Operating Systems:** Linux (Arch, Debian, Kali, RPi OS, Ubuntu), Windows 8/10/11

**Technologies:** Amazon AWS, UEFI, VirtualBox, VMware, DNS, SMTP, IMAP

**Productivity:** Microsoft Office, Google Workspace, GitHub Projects

## CREDENTIALS

**CompTIA Security+ | *In-Progress***

August 2024

**CompTIA A+ | *ID: COMP001022565935***

July 2024

**AP Scholar with Distinction**

May 2023