

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 Manager

CS_Squared

May 2024 – Present

Allen, TX

- Tested, debugged, and approved all code before deployment
- Wrote and maintained a collection of automated test scripts using Python to ensure proper functionality of all code
- Ensured best practices were followed in code development and deployment
- Served as a liaison between the development team and other departments to ensure proper communication
- Spearheaded efforts to ensure standardization of code and documentation early in the company's development

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 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