**Steven Chen**

sc0.steven.chen@gmail.com | stevenchen.one | (512) 785-4271

**EDUCATION**

**The University of Texas at Austin**, Austin, TX May 2026

*Bachelor of Science in Electrical and Computer Engineering*, GPA 3.8

**Relevant Coursework:**

Software Design and Implementation, Embedded Systems, Circuit Theory

**TECHNICAL EXPERIENCE**

**Independent Learning**, Austin, TX Aug 2018 - Present

Homelab

* Obtained experience using Linux and Windows
* Hosted services such as Git, Jellyfin, LDAP, Bitwarden, and Nextcloud for personal use
* Learned to utilize virtual machines, containers, and networked storage to separate services and allow for easier setup and troubleshooting
* Segmented network in to multiple VLANs with different ACLs using PfSense and TP-Link Omada’s SDN

CCNA (Expected 2023)

* Learned fundamentals of networking and security
* Exposed to automation using software like Anisble, Puppet, and Chef
* Comfortable using Cisco CLI to configure network devices

**PROJECTS**

* **Keep Austin Hacking** – Hosted the main website for the hackathon along with setting up a code submission and testing platform using Google Cloud platform.
* **Reddit r/Place Bot** – Wrote scripts that automatically created and verified Reddit accounts to place pixels in r/Place using Selenium, Google Mail API, and Multithreading
* **Image Scraper Discord Bot** – Wrote different iterations of an image scraper bot in Python, used Selenium at first but later iterations used Beautiful Soup
* **Personal Website** – Built a personal portfolio website using HTML and Bootstrap 5, hosted locally using Nginx and served through Cloudflare
* **Jellyfin + LXC Container** – Hosted an instance of Jellyfin in a LXC container which utilized GPU passthrough to enable hardware transcoding for my personal media
* **Space Invaders** – Recreated Space Invaders for the embedded systems course, wrote the game in C++ and ran the game on a Cortex M microcontroller with a custom designed PCB
* **Batch Renaming** – Python script created with the Tk library to rename shows for my media library in Python. Basic functionality was being able to rename each file with a season and an episode number.
* **Blip** – Implemented a basic interpreted language in C/C++ that was able to parse postfix notation and had the ability to store variables
* **Password Manager** – Written in Python, using Tk as a GUI and SQLite to manage multiple user authentication and storage of passwords.

**TECHNICAL SKILLS**

* Familiar with C, C++, Python, ARM Assembly, Docker Compose, Bash, HTML
* Experience with Proxmox Virtual Environment, TrueNAS Core/Scale, PfSense, Omada SDN

**WORK EXPERIENCE**

*Wendy’s & Walmart* May 2021 – Aug 2022

* *Customer Service*