Luka Brown

San Marcos, TX 78666 | lukab.dev@proton.me

www.luka-brown.com | linkedin.com/in/lukabrown

EDUCATION

Texas State University   August 2019 – May 2023

Bachelor of Science in Computer Science, Applied Mathematics Minor   San Marcos, TX

Overall GPA: 3.3 / 4.0

Coursework: Parallel Programming, Algorithm Design and Analysis, Machine Learning, Operating Systems, Computer Security, Database Systems, Applied Linear Algebra, Software Engineering, Computer Architecture

RELEVANT PROJECTS & EXPERIENCE

Secure Voting System (Python)   October 2022 – November 2022

Project Lead   github.com/lukabrown/Secure-Voting-System

- Utilized Jupyter as an IDE and implemented DAGs to create a secure decentralized voting simulator
- Implemented TangleCV and blockchain technology to weigh the validity and trust of stored data
- Developed and implemented custom algorithms to detect any malicious or fraudulent votes

CPU Scheduling Simulation (C++)   March 2023 – March 2023

Solo Project   github.com/lukabrown/CPU-Scheduling

- Discrete time event simulator that generates random data for about 10000 processes
- Uses First Come First Serve scheduling and has variable process arrival rates and service times

Pointe San Marcos   June 2021 – October 2022

Lead Leasing Agent   San Marcos, TX

- Achieved top performance by selling 40% more leases than coworkers over 6 months
- Created impactful resident connections and increased renewal rate by 18% from 2021 to 2022
- Applied customer relationship management software for resident tracking and issue resolution

EXTRACURRICULARS

Texas State Esports Club   August 2020 – May 2022

Collegiate Overwatch Grandmaster Challenger   San Marcos, TX

- Collaborated with team captains to analyze gameplay and improve team performance
- Acted as a mentor to new members of the team

TECHNICAL SKILLS

Languages: C/C++, Python, Java, CUDA, SQL, PHP, HTML, CSS, JavaScript, x86/MIPS Assembly

Libraries: PThreads, OpenMP, MPI, jUnit, Pandas, NumPy, Altair, Scikit-learn

Certifications: Microsoft Technology Associate: Programming Using Python   March 2019

Skills: GitHub, Linux, Ubuntu, GDB (Debugging), Jupyter