

Luka Brown

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EDUCATION

Texas State University

August 2019 – May 2023

Bachelor of Science in Computer Science, Applied Mathematics Minor

San Marcos, TX

Overall GPA: 3.26 / 4.00 **Major GPA:** 3.38 / 4.00

Coursework: Machine Learning, Operating Systems, Parallel Programming, Database Systems, Linear Algebra, Adv. Algorithm Design and Analysis, Computer Systems Security, 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 and directed acyclic graphs to create a secure decentralized voting simulator
- Implemented TangleCV and custom security algorithms to assess the validity of new nodes (votes)

Pointe San Marcos

August 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

Twitter

May 2021 – July 2021

Software Development Intern

San Francisco, CA

- Utilized SQL to analyze engagement data and develop insights to evaluate marketing campaigns
- Conducted optimization on C++ components in data processing pipeline, 14% improvement in speed
- Created a PHP-based tool to automate the collection and processing of user feedback

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, guided players on drills

TECHNICAL SKILLS

Languages: C/C++, Python, Java, CUDA, MySQL, 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: Git, Linux, Google Cloud, GDB, Debugging, Jupyter, Agile/Waterfall Methodologies