

Joseph Gibson

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OBJECTIVE Seeking a summer 2020 internship in cybersecurity or software development

EDUCATION

Texas A&M University, College Station, TX Aug 2018 – Dec 2021
Bachelor of Science in Computer Science
Minors in Cybersecurity and Mathematics
Major GPR: 3.053; Cumulative GPR: 3.1

Texas A&M University at Galveston, Galveston, TX Aug 2017 – May 2018
Cumulative GPR: 3.308

Related Coursework: Fundamentals of Cybersecurity, Computer Organization, Data Structures & Algorithms, Discrete Structures in Computing, Intro to Programming Design Concepts

PROJECTS

FOSS Visual Programming Language Aug 2019 – Present

Tool to enable low-income schools to include programming of low-cost devices in curricula

- Developing a block-based VPL with a C++ core for use in education with Arduino devices

Twitter Bot Jul 2019 – Aug 2019

Entertainment bot to tweet from its own account

- Wrote a twitter bot to automatically post a phrase at regular intervals in Python

Assembler/Disassembler Apr 2019

School assignment to model real-world low-level program execution

- Designed Python scripts to assemble and disassemble Hack Machine Code and Hack Assembly

ACTIVITIES

Undergraduate Research, Aggie STEM Jul 2019 – Present

- Conducted a systematic literature review on Visual Programming languages
- Reviewed 200 peer-reviewed studies in an interdisciplinary team of 4
- Presented research at LAUNCH Poster Session showing 88 poster presentations
- Observing the effect of exposure to microcontrollers in local elementary school on STEM education

Cybersecurity Club, Texas A&M University Jan 2019 – Present

- Developing skills in disassembly, cryptography, digital forensics, and network penetration testing
- Competes to put skills to the test against other students, enthusiasts, and professionals

Aggie Coding Club, Texas A&M University Jan 2019 – Present

- Developed in team of 8-12 an app using SQL, HTML, and JavaScript
- Collaborated with other members to practice skills in communication and teamwork
- Learned usage of common tools in workshops

Aggie Knights, St. Mary's Catholic Center Jan 2019 – Present

Member, Jan 2019 – Apr 2019

- Committed member of global fraternal service organization, Knights of Columbus
- Served as alternate delegate for council in the 2019 Texas State Convention

Officer, Apr 2019 – Present

- Nominated and elected as Trustee board member for the 2019-2020 school year
- Maintains an accountable record of all council capital, oversee work of treasurer and financial secy.

Business Immersion for Engineers, Mays Business School May 2019

- Developed a product in a team of 6 over a two-week period to add value to Dell Technologies
- Applied lessons in management, accounting, finance, supply chain management, marketing
- Won best overall presentation out of ten teams