

EXPERIENCE

Full Stack Developer (Intern)

Summer 2020

40Geo, Houston, TX

Sole software developer for FirstWatch, a reporting software for marine life monitoring to help comply with ocean noise regulations, utilized JavaScript, Elasticsearch, Vue, and Git

TAMUctf Developer

Fall 2019 - Present

Texas A&M, College Station, TX

Designing and creating challenges on various cybersecurity topics such as binary exploitation, reverse engineering, and web exploitation for our university CTF competition and the regional championships for SkillsUSA Cybersecurity

Teaching Assistant

Fall 2019 - Present

Texas A&M, College Station, TX

Lead CS labs, grade assignments (developed software to automate grading), assist with homework and exam design, and maintain office hours

Software Engineering Intern

Summer 2018 & 2019

Trintech, Dallas, TX

Worked on frontend with Angular/Typescript, backend with Java EE and containerized software allowing developers to test locally

EDUCATION

Texas A&M University - College Station, Texas

Fall 2017 - Fall 2021

- Bachelor of Science - Computer Science
- Minor - Cybersecurity
- Major GPA: 3.9 ; Overall GPA: 3.6

SKILLS

Programming Languages Java, C++, Python, Rust, Kotlin, TypeScript
Cybersecurity Reverse Engineering, Binary exploitation
Other Shell scripting, Docker, Unix, Git, Object Oriented Programming

PROJECTS

Rusty CHIP8 *Rust*

Emulator for the CHIP8 VM

Sky Menu *Rust, Qt*

Linux application launcher

Hack Preprocessor *Rust*

Preprocessor/Assembler for the Hack architecture assembly

Nand2Tetris HDL Visualizer *Rust*

Tool to visualize Nand2Tetris HDL files as a graph

CTF Writeups *<https://writeups.teddyheinen.com>*

Collection of writeups for CTFs

ACTIVITIES & AWARDS

TAMU Cybersecurity Club CTF Team Lead

DARPA FETT Bug Bounty Competition, completed all challenges

SMC3 CTF, 3rd place

TAMUctf 2019, 1st in class, and 4th overall

Frequent contributor to various open source projects