

## 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 &amp; 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: 3.67

## VOLUNTEERING

### Instructor, *ShiP.py*

May 2020 - June 2020

Helped design and teach an introductory class on Python targeted at people with minimal programming experience so that they could learn a new skill during the shelter-in-place order. We had over 100 people sign up, primarily from students and industry professionals in non computer science fields.

### CTF Team Lead, *TAMU Cybersecurity Club*

May 2020 - Present

## 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

### Schadenfreude *Java*

Ghidra plugin for automatic vulnerability discovery

## ACTIVITIES & AWARDS

**DARPA FETT Bug Bounty Competition, completed all challenges**  
Summer 2020

**SMC3 CTF, 3rd place**

Summer 2020

**Dean's Honor Roll**

Spring 2019

## SKILLS

*Programming Languages*      Java, C++, Python, Rust, Kotlin, TypeScript

*Cybersecurity*      Reverse Engineering, Binary Exploitation

*Other*      Shell scripting, Docker, Linux, Git, Object Oriented Programming