Walter Stager

walter.stager@tamu.edu
(512) 850-1519
github.com/WalterStager
walterstager.me

EDUCATION

Texas A&M University, College Station Graduated May 2020
Bachelor of Science in Computer Science Honors: Magna Cum Laude
Minors in **Math, Cybersecurity**

WORK EXPERIENCE

Visa, Austin, TX; **Security Architecture Intern - Data Protection** May 2018 – August 2018

- Independently completed **C/C++** coding project using OpenSSL, REST and SOAP.
- Researched and presented on non-standard cryptographic algorithms.

Visa, Austin, TX; **Security Architecture Intern – Applied Cryptography** May 2019 – August 2019

- Delivered production ready code for **C/C++** encryption project.
- Worked with Visa Research to test **DiSE** distributed symmetric key encryption.
- Hardware monitoring with **SNMP, openTSDB, Grafana** and automating setup process.
- Tested compatibility of multiple open source

Northern Tier High Adventure Base, Atikokan, Ontario; **Interpreter** May 2016 – August 2016

- Educational guide and mentor to over 60 participants.
- Provide guidance and assessment to help participants develop as a high functioning, independent team.
- Independent decision making while guiding participants in isolated wilderness areas.

SKILLS

- **Languages:** C/C++, Python, Go, Java, JavaScript/Node, Regex, Haskell
- **Technologies:** Git/Github, OpenSSL, BouncyCastle, MongoDB, RESTful & SOAP, SNMP, Grafana
- **Exposure to** BurpSuite, MATLAB, LabVIEW, AutoCAD, Inventor, Slic3r

PERSONAL PROJECTS

- **Temperature PID Controller –** Temperature auto stabilizer using Arduino. Controlled line power using a relay in order to keep the cooking temperature of a meat smoker constant.
- **Portable Keys –** A small usb keyboard using Adafruit-Trinket microcontroller and a 3D printed keyboard body. Used an open source library to send key presses to OS. Found a bug in the library and made a debug contribution on github.
- **Solar Filters –** Designed and 3D printed a set of solar filters for binoculars and telescope. Used at 2017 eclipse.

COMPLETED COURSEWORK

- Graduate level Machine Learning
- Cryptography I & II
- Computer & Network Security
- Programming Languages
- Robotics and Spatial Intelligence
- Parallel Computing
- Computational Photography
- Competitive programming

ACTIVITIES & AWARDS

- Austin Community College Honors Program 2014-2016
- Eagle Scout Rank – design and build decorative drainage area for local elementary school 2016