

Alan Padilla Chua

axp141330@utdallas.edu | 214.334.6129 | U.S. Permanent Resident

EDUCATION

THE UNIVERSITY OF TEXAS AT DALLAS

BS IN COMPUTER SCIENCE

Dec 2017 | Dallas, TX
Cum. GPA: 3.552 / 4.0
Major GPA: 3.73 / 4.0

MS IN COMPUTER SCIENCE

Expected May 2019 | Dallas, TX
Cum. GPA: 3.8 / 4.0

SCHOLARSHIPS

National Science Foundation
Cyber Corps: Scholarship for Service

LINKS

Personal Page: alanpadillachua.com
Github:// [alanpadillachua](https://github.com/alanpadillachua)
LinkedIn:// [alan-padilla-chua](https://www.linkedin.com/in/alan-padilla-chua)

COURSEWORK

UNDERGRADUATE

Computer Networks
Operating System Concepts
Advanced Algorithms & Data Structures
Software Engineering
Database System
Software Defined Networking
Digital Forensics

GRADUATE

Language Based Security
System Security & Malicious Code Analysis
Information Security
Data & Application Security
Advanced Computer Networks
Network Security
Cyber Security IoT

LANGUAGES

Spanish - Native Speaker

CERTIFICATIONS

- Cloud Computing with Amazon Web Services - UTD
- Big Data Club - UTD

ANTICIPATED

- Security +

SKILLS

PROGRAMMING

- Golang
- Python
- LaTeX
- JavaScript
- Java
- Bash
- HTML
- C#
- C
- MIPS
- XML
- Coq
- C++
- x86
- CSS
- MATLAB

SOFTWARE AND TOOLS

- Git
- Android Studio
- Angr
- Flare VM
- AWS
- Wireshark
- GDB
- QEMU
- Azure
- Docker
- Metasploit
- Carbon Black
- Hadoop
- Intel Pin
- Nmap
- Splunk

EXPERIENCE

ERCOT CORP. | CYBER SECURITY INTERN

May 2018 – Aug 2018 | Austin, TX

- Developed and organized playbooks for incident response strategies.
- Built a secure unidirectional file transfer tool for moving targeted files from the inner network to the isolated testing network.

FIREEYE INC. | SOFTWARE ENGINEER INTERN

May 2017 – Aug 2017 | Albuquerque, NM

- Rebuilt strings analysis service from Ruby to Golang.
- Deployed string analysis service as a docker microservice in AWS.
- Built concurrent encoding decoders to parse multiple encodings from malicious files in a single pass.

PROJECTS

THUNDERCAST | ERCOT CORP.

Summer 2018 | Austin, Tx

- Secure unidirectional file transfer service built in Golang, using data diodes that maintained a one way data connection.
- Transferred files from a secure isolated inner corporate network to a malicious analysis testing network at high throughput.

VERIFYING BWT IN COQ | LANGUAGE BASED SECURITY

Dec 2017 | The University of Texas at Dallas

- Implemented Burrows Wheeler Transformation in the Coq language.
- Specified Coq theorem statements in order to allow the verification of BWT's integrity property.

AUTOHUNT | PERSONAL PROJECT

Dec 2017 | The University of Texas at Dallas

- Command line tool that compiles a list of available cybersecurity jobs/internships.
- Autohunt gathers job posting data using public APIs from sites in combination with scraping popular job pages.

ORGANIZATIONS

2014 - 2017 | Undergraduate Success Scholars
2015 - 2017 | Society of Hispanic Professional Engineers
2016 - Present | Officer of Computer Security Group