

Alan Padilla Chua

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EDUCATION

THE UNIVERSITY OF TEXAS AT DALLAS

BS IN COMPUTER SCIENCE

Expected Dec 2017 | Dallas, TX

Cum. GPA: 3.46 / 4.0

Major GPA: 3.67 / 4.0

MS IN COMPUTER SCIENCE

Expected May 2019 | Dallas, TX

Cum. GPA: N/A

LINKS

Github:// [alanpadillachua](#)

LinkedIn:// [alan-padilla-chua](#)

COURSEWORK

UNDERGRADUATE

Computer Networks

Operating System Concepts

Advanced Algorithms and Data Structures

C/C++ Programming in Unix

Software Engineering

Database System

Software Defined Networking

Fundamentals of Mobile Application

Digital Forensics

CERTIFICATIONS

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

SKILLS

OPERATING SYSTEMS

- Windows • Linux/UNIX
- MacOS

PROGRAMMING

- Golang • C++ • Python • LaTeX • HTML • JavaScript • C#
- Java • C • Bash • MIPS • XML • CSS

SOFTWARE AND TOOLS

- Git • Android Studio • Jenkins
- Amazon Web Services • Wireshark • Puppet
- Hadoop • Microsoft Azure

PROJECTS

PROXY SERVER | COMPUTER NETWORKS

May 2016 – Aug 2016 | The University of Texas at Dallas

- Created a web proxy server using Python and socket programming.
- This proxy server could be deployed on a target machine without a users awareness and steal information remotely.

COURSE CRUNCHER | SOFTWARE ENGINEERING

Jan 2016 – Present | The University of Texas at Dallas

Course Cruncher is intended to be a mobile app that is able to:

- scan a syllabus
- key out important due dates for exams, assignments and projects
- export that data to the students calender app.
- create a weekly checklist of what is due on such weeks
- set reminders for the student.

The app is still under development using Android Studio.

EXPERIENCE

FIREEYE INC. | SOFTWARE ENGINEER INTERN

Jun 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.

ORGANIZATIONS

2016 Treasurer of Computer Security Group

2014 Undergraduate Success Scholars

2015 Society of Hispanic Professional Engineers

EVENTS

2014 Competed in Cyberpatriot State and Regional Competition

2016 Competed in Texas Security Awareness Week CFL Competition