Henry Wang

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github.com/theKidOfArcrania | thekidofarcrania.gitlab.io

EDUCATION

UNIVERSITY OF TEXAS AT DALLAS
BS in Computer Science
Expected May 2020 | Richardson, TX
Current GPA: 3.968
Accepted to Masters Fast-track (2019 Fall)
Dean's scholar Spring 2018
AES Scholarship at Honors level
Admission to CS^2 Honors

LINKS

Github: theKidOfArcrania
Gitlab: theKidOfArcrania
Twitter: kidOfArcrania
Website: theKidOfArcrania.gitlab.io

COURSEWORK

GRADUATE
Database Design (IP) (CS6360)

UNDERGRADUATE
Compiler Design (IP) (CS4386)
Advanced Algorithms (IP) (CS4349)
Operating System (IP) (CS4348)
Computer Networks (CS4390)
Automata Theory (CS4384)
C/C++ in Unix Environment (CS3377)
Data structures (CS3345)
Computer Architecture (CS3340)
Discrete Mathematics I, II (CS3305)

ORGANIZATIONS

THE ASSEMBLY GROUP | PRESIDENT
August 2018-May 2019

COMPUTER SECURITY GROUP
August 2017-May 2019

VOLUNTEERING

CTF WORKSHOP ORGANIZER
8 July 2017 | University of Texas at Dallas
- Organized workshop for cyber security.
- Led presentations for binary exploitation and forensics.

AV COORDINATOR
Aug. 2013 - June 2016 | Dallas Chinese Bible Church (1707 Campbell Trail, Richardson, TX)
- Created a database management system for song lyrics

SKILLS

PROGRAMMING
C • Assembly (x86, MIPS) • C++ • Java • Bash script • Makefile
JavaScript • PHP • CSS • Python • LaTeX

OTHER SKILLS
IDA • git • gdb • objdump • vim • Linux Kernel Programming • i3
Basic unix commands • Ubuntu Linux • Windows • JNI and Java internals

EXPERIENCE

RAYTHEON-CODEX | *Vulnerability Researcher Intern*
May-August 2019 | Melborne, Florida
- Worked on porting internal tools to Ghidra
- Significantly extend funtionality of tooling while porting

ITRI | *Research Intern*
May-July 2018 | Hsinchu, Taiwan
- Researched the internal components of AFL Fuzzer
- Proposed possible improvements to the fuzzing solution

CTF INVOLVEMENT

CTFs are Capture The Flag Cyber security competitions of various difficulty levels from highschool entry level to professional level. CTFTime is the de-facto global ranking system for all CTF teams.

DCUA | *ctftime.org/team/762* | *Pwn Lead*
- Ranked **8th** globally in 2019 and **7th** in 2018 on CTFTime
- **Midnight Sun Quals 2019** : 1st place globally
- **Google CTF Quals 2019** : 17th overall, one of the most prestigious CTFs on CTFTime

UTC | *ctftime.org/team/75919* | *Co-founder*
- Premier CTF team among many Texas universities
- **Sunshine CTF 2019** : 1st place
- **Facebook CTF 2019** : 10th place overall

INDIVIDUAL WARGAMES
pwnable.kr (80th globally), pwnable.tw, hackthebox.eu

PROJECTS

RELENTLESS
August-December 2018
- Unreleased multistage CTF pwn challenge (from web to root)
- Includes a vulnerable custom Linux kernel module
- Link to challenge and descriptions available upon request

RE^2 ASSEMBLY LANGUAGE
July 2017 | github.com/theKidOfArcrania/RE-2-Language
- Invented simple CISC 16-bit architecture
- Includes interpreter and assembler in Java
- Utilizes stack to push/pop intermediate values