Henry Wang

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github.com/theKidOfArcrania | thekidofarcrania.gitlab.io

EDUCATION

UNIVERSITY OF TEXAS AT DALLAS

BS in Computer Science
Expected Dec 2020 | Richardson, TX
Current GPA: 3.968
Dean's scholar Spring 2018
AES Scholarship at Honors level
Admission to CS^2 Honors

LINKS

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

COURSEWORK

UNDERGRADUATE

Data structures (CS3345)
Discrete Mathematics I, II (CS3305)
C/C++ in Unix Environment (CS3377)
Computer Architecture (CS3340)

ORGANIZATIONS

THE ASSEMBLY GROUP | PRESIDENT
August 2018-December 2018

CODE BURNERS
August 2017-December 2018

COMPUTER SECURITY GROUP
August 2017-December 2018

COMPUTER CLUB | EXECUTIVE OFFICER
August 2016-June 2017

VOLUNTEERING

CTF WORKSHOP ORGANIZER

8 July 2017 | University of Texas at Dallas
- Organized workshop for cyber security.
- Led presentations for binary exploitation and forensics.
- Also included web exploitation, reverse engineering, and cryptography.

AV COORDINATOR

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

SKILLS

PROGRAMMING

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

OTHER SKILLS

git • vim • gdb • objdump • IDA • Linux Kernel Programming • i3
Basic unix commands • Ubuntu Linux • Windows

EXPERIENCE

ITRI | *Research Intern*

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

PROJECTS

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

MISSION TURTLE

April-May 2017 | github.com/theKidOfArcrania/Mission-Turtle
- Created top-down maze game in Java
- Includes 21 levels in increasing difficulty

BLOCKLY.IO

February-March 2017 | github.com/theKidOfArcrania/BlocklyIO
- Created simple clone of Paper.io with Node.JS and socket.io
- Implements real-time multiplayer mode unlike paper.io
- Garnered some interest from other people

ACTIVITIES

THE ASSEMBLY GROUP

August-December 2018 | tag-utd.github.io
- Founded organization fall 2018; current residing president
- Introduce assembly topics and applications (especially in security)

CTFLEARN PROBLEM WRITER

June 2017-December 2018 | ctflearn.com
- Wrote a lot of cyber security CTF-style (capture-the-flag) problems in various categories
- Started with forensics, then moved to reversing and binary exploitation

CTF-TYPE COMPETITIONS

- **Wargames/Individual:** pwnable.kr (Rank 190/19000+), pwnable.tw, hackthebox.eu, exploit-exercises
- **CTF (Capture the flag) Events:** Google CTF 2018, blazectf, CSAW CTF Qual 2017 and 2018, picoCTF 2017 (Rank 12/12000+)