Will Ronchetti

Software Engineer

Will Ronchetti
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Brighton High School 2014 (GPA: 3.8)
Cornell University BA Computer Science 2018 (GPA: 3.4)
Cornell University MEng Computer Science 2019

Skills

- Expert: Python, C, Operating Systems, Networking, AWS, General Security, Blockchain Technology, Cloud Computing, Linux + Unix Systems (Ubuntu, CentOS, RedHat etc.)
- Intermediate: Java, Google Cloud (App + Kubernetes Engine), Docker, Xen/OpenXT, OpenEmbedded, UEFI, Tor, Heroku
- Basic: OCaml, HTML/CSS, x86 asm

Work Experience

Assured Information Security / Software Engineer Intern
June 2017 - August 2017, Utica NY

Outsourced the xenstore to a stub-domain on Xen and OpenXT (Dom-0 disaggregation), Integrated nested virtualization/guest UEFI support into OpenXT

Circadence Corporation / Software Engineer Intern
June 2016 - August 2016, Boulder CO

Worked on a subsystem of a hybrid TCP/UDP transport protocol, upgraded the SNMP agent for network hub monitoring, configured an LVS-NAT Load Balancer in a CentOS test environment

Cornell University / Teaching Assistant CS 4410/4411/5430/5431
August 2016 - Present, Ithaca NY

TA for both OS and Security with project courses. Hold office hours, teach review and other help sessions, handle grading logistics for certain projects as team lead, build auto-grading software etc.

Project Experience

- AreYouBoard? - Python2 WebApp for making board game recommendations using NLP techniques. Web: http://www.areyouboard.info/
- LiteTrader -Python3 Distributed system for running algorithmic traders
- Anonymix - Research project for building anonymous Bitcoin transactions
- EzraCoinL - Java Cryptocurrency + Wallet WebApp
- XenFS - Research project on file system benchmarking on top of Xen
- Text Adventure Game Solver - Python2 Solver for text games (Dunnet)
- PortOS - C thread package, scheduler, UDP/TCP/DSR, Unix FS
- Texas Hold Em - Ocaml implementation of the game
- Proof of Stake Analysis - Survey on deployed + academic PoS protocols
- Tor Analysis - Research project on Tor Network vulnerabilities
- Misc C Projects - Chat server, TCP proxy, UDP packet sniffer, (en/de)coder, (de)scrambler, PortOS autograding software