Charlton Trezevant
Software & Security Engineer

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EXPERIENCE

Xpirit, St. Petersburg — *Application Security Consultant*

December 2022 - Present

As an Application Security Consultant on Xpirit's internationally distributed team, I support customers in designing and securing applications on the Azure cloud through the adoption of streamlined DevOps practices.

GuidePoint Security, St. Petersburg — *Senior Application Security Consultant*

December 2021 - November 2022

As a senior application security consultant I provided security assessments, strategic services, program development guidance, and educational training courses to GuidePoint's Fortune 100 and Fortune 500 clients.

GuidePoint Security, St. Petersburg — *Application Security Consultant*

November 2020 - December 2021

UCF Information Security Office, Orlando — *Penetration Tester*

February 2019 - October 2019

As part of the UCF ISO Red Team, I was tasked with identifying and exploiting vulnerabilities across any exposed attack surface of UCF's internal infrastructure.

88.5 WMNF, Tampa — *Volunteer Incident Response Team Lead*

July 2019 - June 2020

Following a breach, I volunteered to help lead WMNF's incident response and remediation efforts. With my guidance, the situation was contained and remediated.

N3XTWORK, LLC, Tampa — *Product Developer & Architect*

May 2018 - August 2019

Performed research and development on managed attribution and secure networking solutions, physical security systems, and cellular technology products targeted at intelligence sector use-cases.

CoAdvantage, Tampa — *Junior Developer*

July - August 2015

During this internship, I individually refactored, re-architected, migrated, and deployed an internal business-critical payroll management application (view reference).

Lomax Magnet School, Tampa — *Systems Administrator*

September 2014 - October 2015

Following budget cuts, I volunteered as an on-site systems administrator and support technician (view reference).

SKILLS

I'm a generalist motivated by interesting challenges. I enjoy learning new things and drawing from my varied background to design and implement novel solutions

I'm passionate about learning and sharing what I know with others. I enjoy working collaboratively and love both to teach and to be taught. I often give workshops, volunteer as a mentor, and tutor people one-on-one

AWARDS

First Place at the 2018 Eastern Regional Collegiate Penetration Testing Competition

First Place at both the 2018 and 2019 SECCDC regional competitions. First place in 3/3 (2018) and 2/3 (2019) scored subcategories, as a member of the UCF CCDC team

First Place at the University of Buffalo's 2018 Lockdown competition

First Place at the 2019 Duel Factor CTF hosted by the Florida Cyber Conference

Second Place at the 2018 and 2019 NCCDC competitions, as a member of the UCF CCDC team

Second Place in the 2017 Symantec Higher Ed Cyber Challenge CTF, as a member of the UCF Knightsec team

Third Place at the 2018 National CPTC competition, as a member of the UCF CPTC team

EDUCATION

University of Central Florida, Orlando

2017 - 2021

EXTRACURRICULAR

Tampa Devs — *Vice President & Non-Profit Board Member*

2022 - Present

Collegiate Cyber Defense Club @ UCF (Hack@UCF) — *President*

2019 - 2020

Collegiate Cyber Defense Club @ UCF (Hack@UCF) — *Vice President*

2017 - 2018

UCF Collegiate Cyber Defense Competition (CCDC) Team

2017 - 2019

UCF Collegiate Penetration Testing Competition (CPTC) Team

2017 - 2018

PROJECTS & PUBLICATIONS

Tampa Devs — *Lecture: Understanding Application Security*

2022 – blog.ctis.me/2022/08/lecture-understanding-application-security

Squeak Records — *Independent Record Label Based in St. Petersburg, Florida*

2022 – squeak.fm

CVE-2021-21956 — *PoC Tool for LDAP injection in ForgeRock OpenAM v13.0.0*

2021 – github.com/guidepointsecurity/CVE-2021-29156

Why GitHub Won't Protect PHP — *An In-Depth Look At The PHP Core Breach*

2021 – guidepointsecurity.com/blog/why-github-wont-protect-php

Porter — *An Open-Source, Connected Garage Door Controller written in Go*

2020 – github.com/ctrezevant/porter

SpeedPicker — *A Competitive Lockpicking Platform. Race Your Friends!*

2019 – github.com/ctrezevant/speedpicker

Iowa CDC Web App — *Fixing Egregious Web Security Flaws*

2019 – github.com/ctrezevant/iowa-cdc-webapp

PEACE — *Ping Executes Any Command Entered*

2018 – github.com/ctrezevant/peace

Grok — *An Open-Source CI Framework For Beginners*

2018 – github.com/ctrezevant/grok

Gakken-USBMIDI — *An Open-Source CV Generator For The Gakken SX150 Synthesizer*

2018 – github.com/ctrezevant/gakken-usbmidi

Edsby XSS — *Uncovering A Stored XSS Vulnerability In Edsby With PyEdsby*

2017 - github.com/ctrezevant/edsby_xss

PyEdsby — *An Unofficial Open-Source API Wrapper for the Edsby SIS*

2017 - github.com/ctrezevant/PyEdsby

SpeedRacer — *An Open-Source Pinewood Derby Controller*

2017 - github.com/ctrezevant/speedRacer

Bellhop — *A Tweeting Doorbell For The Connected Home*

2017 – github.com/ctrezevant/bellhop

Third Place at RIT's 2018 ISTS competition, as a member of the UCF Knightsec team

Hillsborough Department of Education Outstanding Volunteer of the Year, 2015-2016

Authored an article on web cache crawling for 2600 Magazine, published in Vol. 33, issue 1

Dean's List, UCF CECS Fall 2017, Fall 2020

LANGUAGES

Go, Ruby, Python, C, Java, JavaScript, PHP, SQL, HTML5/CSS3, Bash, Batch, etc

TECHNOLOGIES

Linux/UNIX, especially variants in the Debian family or OpenBSD. Sometimes I play with esoteric stuff too, like Plan 9

Security Technologies whether offensive, defensive, or forensic, I have a breadth and depth of experience with creatively applying security tools and techniques in high-stress, high-stakes environments

Computing Platforms including AWS, QEMU/KVM/Libvirt, LXC, and some OpenStack

Teaching & Training I have a diverse background developing training materials, workshops, and instructional content. A good example is my introduction to Git and Github at ctis.me/s/git

Hardware from DIY projects to reverse engineering IoT devices. Check out my intro to SDR presentation at ctis.me/s/sdr

REFERENCES

References and letters of recommendation are available at ctis.me/refs