



Charlton Trezevant

Developer, Security Consultant

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github.com/ctrezevant

EXPERIENCE

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

November 2020 - Present

As an application security consultant, I provide security assessment and penetration testing services to identify, report, and remediate vulnerabilities in software applications for our clients, including Fortune 100 and Fortune 500 companies.

UCF Information Security Office, Orlando — *Penetration Tester*

February 2019 - October 2019

As part of the UCF ISO Red Team, I participated in numerous engagements including finding and exploiting vulnerabilities across any exposed attack surface of UCF's internal infrastructure.

88.5 WMNF, Tampa — *Security Consultant, Incident Response Team*

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, mitigations were designed and implemented, and new policies and procedures were created to improve WMNF's infrastructural and organizational resilience to digital threats.

Vensure HR, Atlanta — *Composer*

May 2019

Created a series of musical logos and on-hold pieces for a new phone system deployed at the company's nationwide offices.

N3XTWORK, LLC, Tampa — *SWE, R&D, Security Consultant*

May 2018 - August 2019

Performed research and development of managed attribution and secure networking solutions, physical security systems, and cellular technology products.

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. I managed a fleet of roughly 300 workstations and developed a ticketing system to organize maintenance requests ([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

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

CVE-2021-21956 — PoC Tool for an LDAP injection vulnerability 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, 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 like Plan 9

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

Computing Platforms including QEMU/KVM/Libvirt, LXC, Docker, and some OpenStack. I occasionally rent from AWS/GCP though I prefer engineering with open solutions

Teaching & Training I have a diverse background developing training materials, workshops, and instructional content. A good example is my introduction to Git and Github: 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