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<https://github.com/133794m3r>

EDUCATION

Mountain Empire Community

May 2021

Associates of Applied Sciences Computer Software Specialist; Associates of Applied Sciences Nursing
Career Studies Certificate: Health Sciences; Software Development I; Software Development II

Academic Honors/ Achievements:

Term Honors: Presidents List: SP19; Merit List: SU19, FA19, FA20; Honor's List SP20, SP21.

Graduation Honors: Cum Laude.

CERTIFICATIONS

- Security+: 34250C2EZC41QKW9; C|EH: ECC3056917248
- AHA BLS: 215418348511, AHA ACLS: 215401651834 Jan 2021, April 2021

EXPERIENCE

Scott Public Schools | Scott County VA

Jan 2019 – Present

Substitute Teacher

Mountain Empire Community College | Big Stone Gap, VA 2020 – May 14th 2021

Sep 2019 - May 31st 2020, Jan

Cybersecurity Lab Specialist, CIO's Work Study

- Created a NetLab course Module utilizing VMWare ESX server software.
- Helped teach some concepts in ITN-171 Unix, ITN-261(Ethical Hacking/C|EH), ITP-270(Python Programming for Cybersecurity)
- Helped teach some concepts in ITN-171 Unix, ITN-261, ITP-270
- Wrote a paper on the RSA Cryptosystem including practical attacks for ITN-260/261's practical components.
- Created two separate cases for ITN-262(Computer forensics course/C|HFI) practical final exam.
- **Fox and the Hound custom Linux Challenge Series.**
 - o Teaches BASH scripting, Grep, Sed, Awk, RegEx, CLI, Common Unix Administrative Tasks
 - o Total of 18 challenges, targeting NSA KUs and VCCS Guidelines.
 - o https://github.com/133794m3r/fox_and_hound
 - o Teaches BASH scripting, Grep, Sed, Awk, RegEx, Scripting, CLI, Common Unix
 - o Administrative Tasks, "Hyper-piplining", Unix Pipes, Streams
 - o Total of 18 challenges, targeted towards NSA KUs and VCCS Guidelines.
 - o All labs are programmatically generated and are verified by a solver script.
 - o Utilizes BASH, GNU Coreutils, AWK, RegEx, Sed, Grep, PASTE, Cron, C, Tar, Git, ViM, Nano, DASH
 - o Also created NetLab course Module for this environment
- **Created NetLab Module for ITD-132 Oracle Database class**
 - o Allows students to interface with the database in a virtual classroom like environment.
 - o All course assignments are accessible via a CLI and a GUI environment.

- CLI has full auto-complete for all keywords and various scripts to help make the user's experience more tolerable.

Freelance Software Engineer & DBA | Nickelsville, VA September 2008-June 2010; May 2015 – 2018

- Optimized User Experience for BBRPG (2009)
 - Converted database from MyISAM to InnoDB and optimized queries, moved from Apache to Nginx
 - Converted UI layer to utilize AJAX
- Created a constant video feed that was sent to Client's site.
 - Wrote BASH scripts to fetch the JPEG stills from the webcam and combine into MJPEG

PERSONAL PROJECTS

Django AutoCTF

- Python(Django, Sympy), CSS3(Bootstrap), JavaScript(jQuery,Bootstrap), PostgreSQL, Nginx
- Site is mobile responsive, users are rate-limited and flags are generated programmatically.
- See it live at <https://crimsonstrife.com> | Github Repo: https://github.com/133794m3r/django_autocf

LEADERSHIP

- Mountain Empire CTF Club Team Leader
- Same Home Different Hacks; New Hack Who This – Team Leader/Operations Head

AFFILIATIONS

Mountain Empire CTF Club

Oct 2019 - Present

Founding Member/Team captain

Student Success Committee at MECC/Student Diplomat

Sep 2020 – Present

Member

AWARDS

- 1st Place at BsidessWVA 2019.
- 43rd place at DTCCTF: 1 person team during the event.
- 6th place at HackerHarvest CTF during Cyber Carnival
- MetaCTF 92nd out of 1,017 Student Teams, and 147nd out of 1,587 Teams
- NCL Spring 2020 – Individual Game: 57th out of 5,377. Team Game ranked 104th out of 931.
- NCL Fall 2020 – Individual Game: 133rd out of 6,011. Team Game: 75th out of 957.
- RUSecure 2020/2021 Qualified for finals

SKILLS

Programming Languages: Python(Django, Flask, SymPy), CSS3(bootstrap), HTML, JavaScript(Bootstrap, jQuery), PHP, SQL(MySQL, PostgreSQL), Shell Scripting(BASH, DASH, SH, ShellCheck), C++.

I have skills in Programming, Linux Administration, Git, and Ethical Hacking, log analysis.

Nursing – Health Assessment, Therapeutic communication, direct patient care, prioritization and related nursing skills.

References

Additional References available upon request.