Macarthur David Inbody

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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; Cybersecurity Work Certificate.
Academic Honors/ Achievements:
   Presidents List: SP19;   Merit List: SU19, FA19; Honor's List SP20

CERTIFICATIONS

   Security+: 34250C2EZC41QKW9   Sep 2019

EXPERIENCE

Mountain Empire Community College | Big Stone Gap, VA   Sep 2019 - May 31st 2020
Cybersecurity Lab Specialist
- Created a NetLab course Module utilizing VMWare ESX server software.
- Helped teach some concepts in ITN-171 Unix, ITN-261, ITP-270
- Created the practical component of the final for ITN-262 (Computer Forensics/C|HFI course)
- Wrote a paper on the RSA Cryptosystem including practical attacks for ITN-260/261's practical components.
- Fox and the Hound custom Linux Challenge Series.
  - Teaches BASH scripting, Grep, Sed, Awk, RegEx, Scripting, CLI, Common Unix Administrative Tasks, "Hyper-piplining", Unix Pipes, Streams
  - Total of 18 challenges, targeted towards NSA KUs and VCCS Guidelines.
  - All labs are programmatically generated and are verified by a solver script.
  - Utilizes BASH, GNU Coreutils, AWK, RegEx, Sed, Grep, PASTE, Cron, C, Tar, Git, ViM, Nano, DASH
  - 3K SLOC of BASH (excluding comments/blank lines)

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,Boostrap), PostgreSQL, Nginx
- Site is mobile responsive, users are rate-limited and flags are generated programmaticaly.
- Challenge types are Programming, RSA(Hastaad Broadcast, Common Mod, Fermat), Hill Cipher, Affine Cipher.

- See it live at https://crimsonstrife.com | Github Repo: https://github.com/133794m3r/django_autoctf

OpenCTF
- Consists of a series of programatically generated CTF Flags
- Categories: Python, BASH, C, Pwn, Reverse Engineering, Forensic Analysis, Programming, Crypto, Stegonagoprhy
- All challenge generators are wrote in either BASH or Python.
- Currently at ~3.7K SLOC
- Currently being utilized by MECC's CTFd instance with the flags being static for the time being until the API is done by our replacement CTF system from VACR.

LEADERSHIP
- Mountain Empire CTF Club Team Leader.
- Same Home Different Hacks – Team Leader/Operations Head
- 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   Sep 2020 – Present
Student Diplomat

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 Studen Teams, and 147nd out of 1,587 Teams
NCL 2020 Spring Season Individual Game: Ranked 57th out of 5,377 Players. Team Game: Our 2-person team was ranked 104th out of 931 teams overall.
NCL 2020 Fall Season Individual Game: 133rd out of 6,011 players. Team Game: 2 Same 2 person team ranked 75th out of 957 teams overall.

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,Project Design, Project Management, Leadership, Linux Administration, Git, Hashcat, Ethical Hacking, WireShark,VIM, Nursing, Therapeutic Communication, Health Assessments, and Technical Communication.

References
Additional References available upon request.