

Macarthur David Inbody
3835 Addington Frame Rd, Nickelsville VA
Cell: 276-690-0336

admin-contact@transcendental.us

<https://www.linkedin.com/in/macarthur-inbody/> | <https://transcendental.us> |
<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, FA20; Honor's List SP20

CERTIFICATIONS

Security+: 34250C2E2C41QKW9

Sep 2019

C|EH: ECC3056917248

Jan 2021

EXPERIENCE

Scott Public Schools| Scott County VA

Jan 2019 – Present

Substitute Teacher

- I've taught from Kindergarten to Highschool. I never let students have free time until after they had completed their work. Students always request that I teach them again and many have asked if I could become their regular teacher.

Mountain Empire Community College | Big Stone Gap, VA

Sep 2019 - May 31st 2020, Jan

2020 - Present

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, ITP-270
- Created the practical component of the final for ITN-262 (Computer Forensics/C|HFI course)
- Fox and the Hound custom Linux Challenge Series.
 - o Teaches BASH scripting, Grep, Sed, Awk, RegEx, Scripting, CLI, Common Unix Administrative Tasks, 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 3K SLOC of BASH (excluding comments/blank lines)
- Created NetLab Modules for ITD-132 Oracle Database class
 - o Gives student a Virtual machine to do their classwork on so that they can have the same experience virtually as they would have pre COVID-19.
 - o Wrote SQL Scripts to fix/reset the database upon breaking it.
 - o Wrapped SQL*Plus in Readline with custom wordlist to allow for tab completion and command editing.

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

- Optimized User Experience for BBRPG (2009)

- o Converted database from MyISAM to InnoDB and optimized queries, moved from Apache to Nginx
 - o Converted UI layer to utilize AJAX
- Created a constant video feed that was sent to Client's site
 - o 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.
- Challenge types are Programming, RSA(Hastad Broadcast, Common Mod, Fermat), Hill Cipher, Affine Cipher.
- See it live at <https://crimsonstrife.com> | Github Repo: https://github.com/133794m3r/django_autocft

OpenCTF

- Consists of a series of programmatically generated CTF Flags
- Categories: Python, BASH, C, Pwn, Reverse Engineering, Forensic Analysis, Programming, Crypto, Steganography
- 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/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 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).

I have skills in Programming, Leadership, Linux Administration, Git, Hashcat, Ethical Hacking, and Teaching.