

Dane Morgan

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🏠 American Fork, UT

Education

Cybersecurity BS
Brigham Young University
2014 - 2019
3.62 GPA

Skills

#!/programming

Python3	<div><div></div></div>
Bro Script	<div><div></div></div>
Bash	<div><div></div></div>
C/C++	<div><div></div></div>
Golang	<div><div></div></div>
Haskell	<div><div></div></div>

~\$./software

Linux/Unix	<div><div></div></div>
Bro	<div><div></div></div>
Anaconda Stack	<div><div></div></div>
Elastic Stack	<div><div></div></div>
Tensorflow	<div><div></div></div>
Virtualization	<div><div></div></div>
Selenium	<div><div></div></div>
Git	<div><div></div></div>

Relevant Coursework

Advanced Security Programming
Advanced Penetration Testing
Computer Networking
Data Structures and Algorithms
Discrete Mathematical Structures
Data Engineering
Operating Systems
Web Systems and Programming

Experience

Research Assistant

BYU Cybersecurity Research Lab
2018 - Present
Provo, UT

Designed and programmed both blue and red team security tools from start to finish

Integrate ML algorithms with TensorFlow into Elastic Stack to identify, classify, and visualize network and security anomalies

Teaching Assistant

BYU IT515R - Data Engineering
2018 - Present
Provo, UT

Assisted in deploying infrastructure for newly created course

Tutored and helped students complete data engineering projects

Projects and Open-source Contributions

GitHub

Personal repository with algorithms, data structures, cybersecurity and data science/engineering projects

PyPi.org

Wrote, published, and maintain "easy_utils" and "proxy_bouncer" packages on public Python3/Pip repositories

Kaggle.com

Written multiple scrapers, and uploaded cleaned datasets. kaggle.com/deadlift1226

Onion-Pi and Killer-Pi

Designed, programmed, and built Raspberry Pi 3 B+ and Pi Zero W with switches that map to the following modes: keystroke injection, WiFi access point with obfuscating, Bro listening, Kismet, and Nmap scanning

danemorgantech.com

Own, write, and maintain tech and lifestyle blog

Volunteer Service Representative

Riga, Latvia: LDS missionary, English teacher, volunteer trainer and coordinator for over 100 volunteers

Scholarships and Honors

ICCDI 2018 Winning Team

International collegiate blue-team competition. Competed as Linux/Unix Systems main. (2018)

Alumni Replenishment Grant

BYU Alumni Association (2018 - 2019)

Ray Zinn Family Scholarship (2018 - 2019)

BYU College of Engineering

John J. Kunzler Scholarship (2017 - 2019)

BYU College of Engineering-Manufacturing Technology

Blackhat Scholarship (2018)

SAINTCON Scholarship (2018)

Eagle Scout (2009)