

Todd A. Murphy

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Education

Bachelor's of Science Information Technology, May 2020, GPA 3.82

Specialization: **Network & Information Security** | Minor: **Mobile & Web Development**

New Jersey Institute of Technology, Newark, NJ

Relevant Coursework:

- **Systems Integration**
 - Course involved integration of multiple technologies learned throughout the IT curriculum. Skills used: Scripting, Web Applications, Networking & AMQP
- **Penetration Testing**
 - Course involved breaking into other machines via Metasploit and determining how to mitigate these risks. Technologies used: Kali Linux, Metasploit, JohnTheRipper, etc.
- **Computer Forensics & Digital Crime**
 - Both courses prepared students to analyze digital information that have been used to commit cybercrimes and properly handle the data.
- **Game Design**
 - Course involved creating a 2D game experience from scratch using Unity. All assets were animated by the students. Software used: Unity, Adobe Animate & Illustrator

Relevant Experience

Lockheed Martin, Moorestown, NJ

Linux System Admin & Hardening Intern (DevOps) (Summer 2018) & (Summer 2019)

- Responsible for hardening Red Hat Enterprise Linux up to DoD standards (STIG)
- Responsible for creating Ansible playbooks to aid in comprehensive system administration tasks such as STIG-ing systems and implementing Splunk on thousands of machines
- Responsible for creating and managing user accounts on newly deployed systems

Additional Work Experience

New Jersey Institute of Technology, Newark, NJ

JAVA Teacher's Assistant

(Jan 2018)-(May 2018)

New Jersey Institute of Technology, Newark, NJ

Resident Assistant

(Sept 2018)-(May 2020)

NJIT Media Services, Newark, NJ

Technician

(Sept 2016)-(May 2020)

Personal Projects

CineRex – Movie Recommendation System (Systems Integration Class Project)

- Created a website to recommend movies to users with the help of Artificial Intelligence

ChemPal – Augmented Reality Learning Application (NJIT Hackathon Winner)

- Used Unity and Apple's ARKit to design a chemistry learning experience in AR

Homemade Automatic Door Lock

- Designed a circuit to unlock a door utilizing client-server communication with an ESP8266

Homemade HomeKit Enabled LED's

- Designed a circuit for LED management through Siri using a RPi & an ESP8266 module

Skills

Certifications: *CompTIA Security+, United States Government Security Clearance: Secret*

System Administration: *Red Hat Enterprise Linux, Ubuntu Linux, Windows*

Programming Languages: *PHP, JAVA, C#, Swift, Arduino*

Scripting Languages: *Bash, HTML, CSS, JavaScript, Python, Perl, YAML*

Database Administration: *MySQL, phpMyAdmin*

Technologies: *AMQP, Ansible, Cron, Git, Metasploit, RabbitMQ, Splunk, Unity, Wordpress*