

# Todd A. Murphy

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## Education

**Bachelor's of Science Information Technology**, 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

**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*

**Database Administration:** *MySQL, phpMyAdmin*

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