

Jonathan Fernezan

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Skills

Basic

CSS, HTML, PHP, JavaScript, C, SQL
Computer Networking and Administration
Unix Scripting and Administration

Intermediate

C++, Java, Python

Education

Kutztown University | Bachelor of Science

May 2021

- Major - Computer Science: Information Technology
- GPA: 3.95

US Army Signal School | Fort Gordon, GA

Sept 2015 – Jan 2016

- MOS: 25Q (Multi-Channel Transmission Systems Operator)

US Army Basic Combat Training | Fort Benning, GA

July 2015 – Sept 2015

Military Experience

Multi-Channel Transmission Systems Operator | US Army Reserve | Tobyhanna, PA

Nov 2014 - Present

- Maintain assigned equipment, vehicles, security devices, and power generators.
- Analyze BIT/BITE diagnostics to isolate faults in the Line Replaceable Units.
- Install, operate, and perform unit level maintenance on multichannel line-of-site and tropospheric scatter communications systems, satellite terminals, antennas, and associated equipment.
- Supervise operations and assist team members in the installation and operation of multichannel line-of-site, tropospheric scatter communications systems, and satellite terminals.

IT Specialist | US Army | Middle East

Mar 2016 – Feb 2017

- Responsibly maintained, processed, and troubleshoot military computer operations.
- Used computers, consoles, and peripheral equipment to configure computer systems.
- Planned, designed, and tested computer systems to establish network communications.
- Provided client and network administration services.

Internship Experience

Network Engineering Intern | Guardian Life Insurance | Bethlehem, PA

Summer 2019 & 2020

- Created network topologies and migration plans for implementation at various, newly bought, company offices.
- Developed, tested, implemented, and maintained network device configurations and scripts.
- Upgraded, configured, tested, and maintained network devices.
- Created documentation for standard operation procedures for network device upgrades and configuration.
- Installed, replaced, and maintained access points.
- Leveraged various networking tools and software to maintain corporate network environment.
- Collaborated with team members to develop an IP lookup Python script.
- Lower-level network and general audio/visual troubleshooting.

Facilities IT Intern | Kutztown University | Kutztown, PA

Jan 2019 - May 2019

- Aided in the development of technology policy and procedural documentation.
- Developed, tested, implemented, and maintained online courses related to Facilities Business Services for Kutztown University faculty, staff, and students.
- Communicated with different departments to ensure newly developed training courses were informative and relevant to course objectives.
- Maintained Facilities Department webpages utilizing the university's content management system.
- Developed, tested, and implemented data backup procedures using Windows PowerShell scripts.
- General IT helpdesk functions.
- Assisted with annual inventory of all Facilities technology items and update inventory database with any changes or inconsistencies.
- Conducted monthly updates on Facilities PCs.

Work Experience**Computer/Network Technician** | ResNet, Kutztown University | Kutztown, PA

Aug 2019 - Present

- Troubleshoot and resolve printer and network issues that occur within the dormitories and computer labs.
- Troubleshoot and repair software and hardware issues that occur on students' personal PCs, laptops, and phones.
- Provide phone and in-room computer/network support to on-campus residents.

Computer Science Department Tutor | Kutztown University | Kutztown, PA

Aug 2019 - Present

- Utilize knowledge of Kutztown University systems, academics, and resources that are available to enhance Computer Science students' academic experience.
- Assist Computer Science students in becoming a more successful and independent learner.
- Provide and help integrate effective learning and study strategies for Computer Science students while helping clarify and reinforce course content, assignments, and material.

Supplemental Instructor | Kutztown University | Kutztown, PA

Aug 2019 – Dec 2019

- Assist the professor in preparing lessons for the course.
- Give lectures to students throughout the course in lieu of, or in addition to, course professor.
- Serve as an energetic and enthusiastic role model to help students succeed at Kutztown University.
- Understand course requirements and maintain contact, throughout the term, with the course professor and students.

VOLUNTEER EXPERIENCE**Secretary**, Esports Club | Kutztown University | Kutztown, PA

Nov 2020 - Present

Student Conduct Review Board | Kutztown University | Kutztown, PA

Oct 2020 - Present

Computer Science Student Ambassador | Kutztown University | Kutztown, PA

Sept 2019 - Present

Chair, IT Committee | Han-Le-Co Fire Company | Allentown, PA

January 2019 - Present

Firefighter | Han-Le-Co Fire Company | Allentown, PA

June 2017 - Present

Volunteer | Musikfest | Bethlehem, PA

Summer 2019

SECURITY CLEARANCE

- Current SECRET clearance (Investigation completed April 2016)