

Cole T. Peterson, M.S.

Computer Science

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Personal Statement:

As a highly motivated, punctual, and team oriented individual, I am passionate about partnering and working with small businesses to help them reach comprehensive, secure, and versatile IT systems without sacrificing massive amounts of time or breaking the bank. This is my motivation because my career has always been hands-on, blue-collar work that has inspired a commitment to providing transparent and reliable computer and software solutions including: hardware installation, management systems, and communications infrastructure; proving that quality IT infrastructure and business software is well within reach for non-corporate businesses.

Education:

Ramapo College of New Jersey

Master of Science, Computer Science: 2023 - 2026

Thesis: Methodology for Abstracting and Comparing Recipes Using Directed Acyclic Graphs

Bachelor of Science, Computer Science: 2018 - 2023

Relevant coursework: Data Structures and Algorithms*, Software Design, Organization of Programming Languages, Object Oriented Programming (OOP), Operating Systems*, Network Programming, Database Design and Big Data*, Ethics for Data Science, Python for Data Science*, Discrete Mathematics, Probability and Time Series*, Advanced Mathematical Modeling, Business and Sustainability, Graphic Design

*** Taken at both undergraduate and graduate levels**

Experience:

Systems Administrator (2019 – ongoing) – BrightStar Care of Somerset

- Facilitated the installation and management of, cabling, networking equipment, desktops, and employee authentication and file sharing; HIPAA compliant.
- Implemented proper-use, deletion, reporting, etc. policies and trained office employees on secure access to personal and privileged office data.

Experience (cont.):

Deli Associate (2021 – 2024) – Lasolas Market

- Proudly served customers made-to-order cold cuts, sandwiches, salads, and hot food.
- Assisted in cashier duties, stocking, unloading shipments, and IT troubleshooting.

Assistant Arts Department Director (2014 – 2017) – Ockanickon Scout Reservation

- Assisted with department logistics such as scheduling of daily programs and management of staff members and inventory.
- Ensured enthusiastic and personable service for all staff and guests.

Skills:

IT:

- Server, workstation, etc. design
- Network design
- Windows Server + Active Directory
- Linux
- Cabling and hardware installation
- Basic laptop/desktop repair
- Data recovery and preservation (digital and analog)
- Security and policy + HIPAA compliance
- Customer service and help desk

Networking:

- DNS, DHCP, firewall administration
- Remote storage (Samba, NFS, etc.)
- Mail systems
- Web hosting

Programming:

- Functional, OOP, and other paradigms
- Web development (front and back end)
- Database design
- Advanced proficiency in C/C++, Python, PHP, HTML, CSS, JavaScript, SQL
- Proficiency in Java, C#, .NET environment, Android ecosystem

Marketing:

- Multimedia editing
- Social media management
- Technical writing/diagramming and training