

[ <b>Michael C. Cook Sr.</b>   <b>Network Information System Security Engineer</b>   <b>DevOPS Engineer</b> ]		
CompTIA A+/Network+/Security+   Cisco CCNA/CNAP   Microsoft Certified Professional/MCDST/MCSA/MCSE Associate Degree in Information Technology (Drafting & Design/Multimedia)   Portfolio Award/CRCATS		
<b>Secure Digits Plus LLC (π) - Clifton Park, NY</b>		<b>10/2018 - 08/2022</b>
<b>CEO/Security Engineer, NISSP, DevOPS Engineer, Investigative Journalist, Cybercommando</b>		
[+] <u>Portfolio Development</u> for Applications, as well as Investigative Journalism		
[+] Main development focus: (C#/PowerShell/.NET) module development, codename <b>[FightingEntropy(π)]</b>		
[+] <b>[FightingEntropy(π)]</b> is a MODULE for <b>PowerShell</b> which automatically installs itself, as well as ... (installing/configuring) Windows Server 2016/2019, Windows 10 Home/Education/Pro, RHEL/CentOS, and FreeBSD/OPNsense/pfSense via the <b>[(Microsoft Deployment Toolkit - by Michael T. Niehaus)]</b>		
<u>Primary</u>   <a href="https://github.com/mcc85s/FightingEntropy">https://github.com/mcc85s/FightingEntropy</a>   (+ Portfolio, Resume & Links)		
<u>Secondary</u>   <a href="https://github.com/mcc85sx/FightingEntropy">https://github.com/mcc85sx/FightingEntropy</a>		
[+] <b>[FightingEntropy(π)]</b> areas of development:		
<u>Primary</u>   <b>Active Directory Domain Services</b>   <b>Windows Deployment Services</b>   <b>Hyper-V/Veridian</b>   <b>DNS DHCP</b>   <b>[FightingEntropy(π)]</b> [FEInfrastructure]: <a href="https://youtu.be/6yQr06_rA4I">https://youtu.be/6yQr06_rA4I</a> (← Expert)		
<u>Secondary</u>   <b>Extensible Application Markup Language</b>   <b>Graphical User Interface design</b>   <b>Unix/FreeBSD</b>   <b>IIS/Internet Information Services</b>   <b>Razor/Blazor/ASP.Net</b>   <b>Conceptualizing R&amp;D projects</b>		
<u>Tertiary</u>   <b>Investigating: ID THEFT</b>   <b>CYBERCRIMINAL ACTIVITIES</b>   <b>GOVERNMENT CORRUPTION</b>   <b>ESPIONAGE</b>		
====( <b>Former Employers</b> )=====		
<b>Computer Answers - Clifton Park, NY</b>		<b>10/2015 - 07/2019</b>
Chief Technology Officer & Business Solutions Expert		
[+] Developed <u>scripts and protocol</u> , quality assurance, overseeing (productivity/training) of employees		
[+] Featured on <b>WTEN Alert Desk</b> via <b>Andrew Banas</b> regarding <b>SmartTV's</b> at <a href="https://youtu.be/-jkdPV9H6BQ">https://youtu.be/-jkdPV9H6BQ</a>		
[+] Set <u>highest sales record in the company to date</u> , in <b>August 2017</b>		
[+] Rebuilt all of the networking equipment, point of sale equipment, server/router/access point configuration, surveillance system/cameras, and DHCP configuration/deployment, for ALL 7 stores		
[+] Deploying and configuring Clients/Servers/Routers/Switches/Access Points/receipt printers/SmartTV's... led to the founding of <b>[Secure Digits Plus LLC]</b> , successor to <b>[Mike's PC Repair]</b> , in order to build a program that does all of this configuration, in a similar manner to:		
<b>Google Kubernetes</b>   <b>Microsoft Azure</b>   <b>Amazon Web Services</b>   <b>VmWare vSphere</b>   <b>Cisco SD-WAN</b>		
[+] Upgraded each store network to gigabit Ethernet internally, as well as installation of:		
<u>Security Gateways</u> using   <b>pfSense</b>   <b>OPNsense</b>   <b>HardenedBSD</b>   <b>FreeBSD</b>		
<b>KeyCorp - Albany, NY</b>		<b>03/2016 - 12/2016</b>
Help Desk Level (I & II) Support Engineer		
[+] Provided support to ( <b>KeyCorp/KeyBank</b> ) employees over the phone and over Key's Inter IM client, <b>Cisco Jabber</b> , for various FIRST and SECOND level help desk support tickets		
[+] First experience with <b>System Center Configuration Manager</b> , which utilizes <u>core aspects</u> of the <b>Microsoft Deployment Toolkit</b> and other <b>Microsoft</b> -centric programs/applications		
[+] Exposure to <b>Active Directory Administration</b> was rather limited in this position (typically used for password resets), brief contact with <b>Organizational Units</b> , <b>Site Links</b> , <b>Lotus Notes</b> , <b>Exchange</b> , <b>vSphere/eSXI</b> , <b>Group Policy Objects</b> , <b>RSA Encryption/Software tokens</b> , <b>KeyCounselor/HOGAN</b>		
<b>Metroland/Lou Communications - Albany, NY</b>		<b>01/2007 - 01/2014</b>
Distribution Contractor & IT Consultant		
[+] Distributed the newspaper <b>Metroland</b> for several years throughout the Greater Capital Region		
[+] Eventually they were in need of IT services from ' <b>Mike's PC Repair</b> ' in <b>September 2012</b>		
[+] Documented & moved their network from <b>420 Madison Ave, Albany NY - 523 Western Ave, Albany NY</b> while upgrading old Dell based Win NT 4.0 server to 1U blade server w/ (2x AMD CPUs, Windows Server 2008)		
[+] Migrated ALL data from an older system that publishers used for archiving (weekly/legacy) content		
[+] Assisted <b>John Bracchi</b> with (printers/network storage for PUBLISHERS via Adobe (PS & Illustrator):		
mapping printers   domain logins   emails/Outlook   making sure that Ted Etoll was happy		

[+] Limited use of domain resources, otherwise most services were DISTRIBUTION of the newspaper

**Infrastructure - Clifton Park, NY**  
Computer (Hardware/Printer/Network) Technician

**09/2010 - 01/2011**

- [+] Staged machines to be used for Point-Of-Sale systems for the **Adidas-Reebok of North America**, as well as testing, repairing, and maintaining a rolling inventory of computers, monitors, receipt printers, handheld devices, bar code scanners, & label/form printers (**Epson**)
- [+] Made DAILY warranty calls to **HP** for Elite 8100/8200's, AND **Dell** for various (laptops/workstations)
- [+] Repaired, inspected, and maintained full-size (**Lexmark/HP**) stack printers for various NYS agencies
- [+] Imaged THOUSANDS of computers to be used for various New York State companies and gov't agencies:

Dept. of Transportation | CSMIN | Golub Corporation | Office of People with Disabilities Dept.  
Dept. Of Correctional Services | Adidas-Reebok of NA | Testcomm of New York and Massachusetts

**TEKsystems - Albany, NY**  
Various (Computer/Network) related roles

**06/2006 - 05/2019**

- [+] Completed **Pittsfield MA Census Bureau** deployment (2009-2010) | **KeyCorp** (2016) | **Patroon Creek** (2017)
- [+] **Trinity Health/St. Peters Hospital** 02/2019 [Interview] - Potential client was seeking to build an entirely new domain physically as well as ASP.Net overhaul, already developing **[FightingEntropy(π)]**

**Hearst Corporation - Albany, NY**  
Distribution Contractor & Accounts Receivable Collector

**04/2006 - 04/2009**

- [+] Provided distribution throughout lower **Saratoga County**, as well as the **Greater Capital Region**
- [+] Daily paper drops were required in early morning hours after they are printed (2AM-4AM), and stores would either be open or closed; some stops needed priority treatment (primarily **Stewarts Corp**)
- [+] Drifted in the snow a lot, found new ways to drop off newspapers, drove a minimum of 90 miles/night
- [+] Collected and calculated return payment amounts, deposited into bank account with **Bank of America**
- [+] Worked under (**Kenny/Patrick Bernard**) for **Q122, Q107, Q121, & Chris Jones** for daytime return routes

**( Education )**

**New Horizons Learning Center - Albany, NY**  
CompTIA & Microsoft Certifications Track

**01/2008 - 01/2009**

- [+] Completed certifications from **CompTIA A+/Network+, MCP/MCDST**
- [+] Hands on support with hardware, and operating systems Windows (XP Pro/Home/Server 2003)
- [+] Studied server technologies and services: FTP, File Server, WINS/DNS/DHCP, RSAT/WSUS, Certificates, Active Directory, Group Policy, Drivers, Wireless, IIS 6.0, VPN Encryption, & Virtual Server

**ITT Technical Institute - Albany, NY**  
Information Technology: Drafting & Design, Multimedia

**06/2004 - 06/2006**

- [+] Received Associate degree in (IT/Drafting and Design-Multimedia)
- [+] Course studies included:

2D/3D graphic, print AND web design AND publishing | Portfolio Development | Problem-Solving  
Instructional Design | Micro Economics | CompTIA (A+/Network+) | Intro to Visual Basic .Net  
Macromedia | [ Flash / Director / Dreamweaver ] (HTML/CSS) and flash animation  
Adobe | [ Premiere / After Effects ] video | [ Photoshop / Illustrator ] photo  
AutoDesk 3DS | scene/character modeling | lighting | texturing | rigging | animation

**Capital Region Career and Technical School - Albany, NY**  
Microsoft System Administration, CompTIA A+/Network+, & Cisco Certified Network Academy

**09/2001 - 06/2003**

- [+] While attending **Shenendehowa High School**, this 2-year vocational program consisted of hands-on lab environment experience, and studies related to the above curriculum
- [+] Briefly acted as (Student Network Administrator), using (**MMC/Microsoft Management Console**) snap-ins, **HyperTerminal**, **Novell Netware IPX/SPX**, **Windows XP/Server 2000 Workgroup**, and some **Red Hat Linux**
- [+] Received an in-depth year with **Cisco (routers/switches) via RS232**
- [+] Participated in **NYS competition** at (**SCCC/Schenectady County Community College**), & **ITT Tech**
- [+] Received an award from the school for **Portfolio Development** at final graduation ceremony