Emmanuel Mekhail

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EDUCATION

University of Minnesota, Twin Cities — Minneapolis, MN

B.S. in Information Technology Infrastructure, Cybersecurity Focus (GPA: 3.92) — *Expected May 2027*

EXPERIENCE

IT Operations Intern — June 2026 – Present

Elire — *Minneapolis, MN*

- Administered Microsoft 365 using Admin Center, Entra ID, and Intune for 250+ users and 150+ devices, managing access controls and security policies
- Independently configured and deployed a Microsoft Purview DLP policy across 250 users; configured and monitored SaaS security integrations in Microsoft Defender
- Created org-wide browser extension restriction policies across Edge, Chrome, and Firefox, then audited compliance with KQL threat hunting in Microsoft Defender, identifying 60+ extensions across 5 browsers and flagging a known-malicious extension for removal
- Deployed enterprise applications through Intune to 150+ devices, improving endpoint security and compliance across 250+ employees
- Built Salesforce Lightning apps for Accounting and an IT Help Desk AI that automates simple tasks, tested and deployed company-wide; 90% answer accuracy; 100% queries resolved

IT Help Desk Technician — Oct. 2024 – Aug. 2026

University of Minnesota — *Minneapolis, MN*

- Supported 50,000+ users across Windows and macOS, managing accounts and access requests with Active Directory, Entra ID, and Oracle Identity Manager
- Troubleshot authentication, access, and device issues using identity verification procedures (97% satisfaction); documented incidents in TeamDynamix

PROJECTS

Home Cybersecurity Lab | *Kali Linux, Metasploit, Nmap, Splunk, Wireshark* — May 2026

- Built an isolated VirtualBox lab; ran Nmap recon and exploited CVE-2011-2523 (VSFTPd backdoor) via Metasploit against Metasploitable 2
- Configured Splunk SIEM to ingest syslog data and detect attack traffic; analyzed packets in Wireshark and wrote a formal penetration test report

Home Enterprise Network | *UniFi, WSL2, DNS filtering, VPN* — Aug. 2026

- Deployed UniFi gateway, AP, and Cloud Key from bare hardware; added DNS-based ad blocking and a VPN server for secure remote access

UMN Student Dashboard | *AWS Lambda, API Gateway, DynamoDB, S3, Bedrock* — Mar. 2026

- Built a serverless dashboard with Google OAuth2, Secrets Manager, and Amazon Bedrock for AI-powered email and assignment summaries

TECHNICAL SKILLS

Security & Tools: Splunk, Wireshark, Nmap, Metasploit, Kali Linux, Microsoft Defender, Microsoft Purview
Identity & Cloud: Entra ID, Intune, Active Directory, Microsoft 365, AWS, Azure, Salesforce
Frameworks: NIST Incident Response, PCI DSS, HIPAA, SOX
Programming: Python, SQL, R, Java, C++
Certifications: CompTIA Security+ (Est. Nov. 2026), AWS Cloud Practitioner (Est. Jan. 2027)

LEADERSHIP

CCAPS Student Mentor — Starting Jan. 2027

College of Continuing and Professional Studies, University of Minnesota — *Minneapolis, MN*

- Selected to mentor an incoming first-year student, providing guidance on academic resources, campus involvement, and the transition to college

Communications Officer — Sep. 2026 – May 2027

AWS Club, University of Minnesota — *Minneapolis, MN*

- Promoted AWS to students across Instagram, Discord, Meetup, and LinkedIn, growing followers by 30%

IT Help Desk Training Mentor — Nov. 2025 – Aug. 2026

University of Minnesota — *Minneapolis, MN*

- Trained and onboarded 40+ student employees on TeamDynamix ticketing and support workflows