GINNA WOO

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QUALIFICATION SUMMARY

Results-driven Cybersecurity Engineer & Cloud Security Specialist (active secret clearance) with seven years of experience collaborating and leading technical initiatives in Microsoft Security, AI-driven cybersecurity solutions, and cloud-based automation. Proven ability to design, develop, and implement scalable security solutions across Cloud environments. Demonstrate strong analytical reasoning and problem-solving skills across a variety of industries. Passionate about threat intelligence, security automation, data-driven decision-making, and optimizing cloud security operations.

WORK EXPERIENCE

Booz Allen Hamilton – Cyber & Engineering, *Lead Staff Engineer* **| REMOTE**   Jan 2024 – Present
- Established and lead the Microsoft Security Community of Practice, increasing firm-wide cybersecurity knowledge sharing by 66%.
- Lead the architect and integration of cutting-edge Microsoft Security technologies to secure cloud architectures aligned with DoD standards enhancing cybersecurity posture.
- Lead the technical development and deployment of the Microsoft Sentinel Triage Assistant (STaT) automation streamlining security incident management and reducing triage time by 85%.
- Conduct in-depth research on AI-driven cybersecurity solutions, ensuring compliance within secure government networks and optimizing AI-powered threat detection.

    Staff Engineer   Dec 2021 – Dec 2023
  - Elevated to Lead Staff Engineer, spearheaded Azure Sentinel projects and security implementation enhancements.
  - Develop and design Azure Sentinel workbooks, analytics, hunting queries, and conduct the testing of the Microsoft Security suite functionalities while automating defense operations and incident response activities by reducing MTTR by 85% through playbooks.
  - Collaborated with the Security Operation Center team on custom workflow management for security incident enrichment, troubleshooting, and the creation of Azure UEBA ML and anomaly detection analytics.
  - Delivered comprehensive PowerBI dashboards for cross-functional teams, leveraging GraphAPI for optimized data integration, and rigorously tested security tools to guide organizational adoption decisions.

Deloitte Consulting – Strategy & Analytics, *Solutions Engineer* **| Orlando, FL**   Sept 2019 – Dec 2021
- Developed and maintained all technical documentations for a ML/AI system in Google Cloud Platform (GCP); the analytical environment will serve users in clinical research and model development for production use. Assisted in research of sample ML models to implement into the environment for customers. Familiarity with leveraging Google Workspace.
- Developed and implemented a state government COVID-19 platform for 4.5 million users using SQL and Tableau with 250+ thousands of insights; participated in architecture, design, and code review.
- Led a $1.5M revenue-generating data partnership initiative, collaborating with Fortune 500 clients to deliver high-value analytics solutions.

MetLife, Global & Technology Operations, *Associate Software Development Engineer* **| Tampa, FL**   July 2018 – Sept 2019
- Responsible for the maintenance and back-end development for MetLife's Accounting, Financial, and Investment systems.
- Automated MetLife's reconciliation process using C# and SQL. Increased performance of the application, reduced costs by $14.5 thousand annually, eliminated human errors, and allowed the business to close at month-end more accurately and on time.
- Carried out quality assurance tests to reduce 75% errors, optimize workflows and APIs, and generate output reports for business.

SKILLS & INTERESTS

Software Languages: SQL, MySQL, Python, C#, R, HTML, CSS, Markdown, KQL, PowerShell, RegEx, CLI, JavaScript(novice)

Programs/Tools:

- **Cloud Computing:** GCP, AWS, Azure	- **API**: Microsoft Graph API
- **Database:** Microsoft SQL Server, SQL Server Data Tool	- **Visualization**: Visio, PowerBI, Tableau, LucidCharts
- **Threat Hunting**: UEBA, MITRE ATT&CK, SOC Playbooks	- **Security**: Veracode, Prisma, Microsoft Security Products
- **Build & Release Management**: Azure DevOps, GitHub, GitLab	- **Design**: Adobe InDesign, Photoshop, Lightroom
- **Documentation**: Docusaurus	- **Others**: Microsoft 365, Power Apps, TWS (batch jobs)

Languages: Cantonese – Native Fluency **|** Mandarin – Intermediate Novice

Certifications: Lean IT, ITIL Foundations, SAFe 4 Practitioner, AWS Certified Cloud Practitioner, Certified Cyber Threat Hunting Professional, CompTIA Security+, Microsoft Security Operations Analyst (SC-200), Azure AI Fundamentals (AZ-900)

Industries: Insurance, Finance, Healthcare, Government (DoD/IL5)

EDUCATION

- **University of Illinois Urbana-Champaign** | Champaign, IL

  Master of Computer Science | Focus: **Machine Learning and Artificial Intelligence**

- **University of South Florida** | Tampa, FL

  Bachelor of Arts in Political Science *and* International Business | Focus: **Information Systems**