

SYDNEY WALTER

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PROFILE

Motivated BlueSky student at East Tennessee State University, specializing in Information Systems through a partnership with Blue Cross Blue Shield of Tennessee. I am dedicated to developing the skills and certifications essential for a successful career in computing, with a particular focus on cybersecurity and software development. Passionate about leveraging technology to solve real-world challenges and eager to contribute to innovative projects in the tech industry.

SUMMARY OF SKILLS

- Languages: C#, Python, SQL, HTML/CSS, JavaScript
- Database Systems: MongoDB, SQLite, MySQL, SQLAlchemy, DataGrip
- Communication
- Leadership
- Project Management
- Self-Disciplined
- Problem-Solving

RELEVANT COURSES

- Information Systems Implementation
- Enabling Business with Information Systems
- Database Advanced Topics
- Networking Fundamentals
- Server-Side Web Programming
- Data Analytics and Visualization

RELEVANT EXPERIENCE

BlueSky Internship

BlueCross BlueShield of TN | Chattanooga, TN

Expected January 2025 – December 2025

- Year-long rotational internship across multiple teams, gaining hands-on experience in different aspects of BCBST's technology and business operations.
- Expected to enhance project management, technical proficiency, and business acumen while driving value in each rotation through continued learning and collaboration.
- Develop a deeper understanding of key areas such as software development, cybersecurity, data management, and cloud computing, while learning about the company's business processes and regulatory compliance needs within the healthcare industry.

Project Nexus: Network Development

Semester-Long BlueSky Team Project | Chattanooga, TN

August 2024 – December 2024

- Collaborating with a team of five to design, implement, and secure a fully operational network for a simulated business.
- Employing network security protocols to protect against potential cyber threats.
- Managing project milestones and coordinated across team members to ensure cohesive network functionality
- Performed network stress testing and monitoring using tools like Wireshark to identify potential vulnerabilities, adjust configurations, and ensure network stability under simulated high-traffic conditions.

CERTIFICATIONS

- **Test Out Office Pro Certified**
- **Microsoft Office Specialist:** Excel, Outlook, Word, and PowerPoint

RESEARCH INTERESTS

- Quantum Computing
- Embedded Systems
- Hardware Security
- Post-Quantum Cryptography
- Blockchain and Decentralized Systems

REFERENCES

- Available Upon Request

RELEVANT EXPERIENCE CONTINUED

Quantum Computing Presentation

BlueSky TN Institute | Chattanooga, TN
March 2024

- Delivered an in-depth presentation on quantum computing, encryption, and cybersecurity vulnerabilities to classmates and professors.
- Explored the role of quantum mechanics in cybersecurity, including future advancements and potential risks.
- Demonstrated strong public speaking and research skills by presenting complex topics effectively to a technical audience.

Full-Stack Web Development Project

Independent Project
February 2024

- Developed a full-stack web application integrating database management and CRUD operations.
- Connected the application with an API to handle dynamic data securely and efficiently.
- Enhanced proficiency in backend development, emphasizing data security best practices for web applications.

Skills USA, State/National Competitor

Georgia World Congress Center | Atlanta, GA
September-November 2023

- Demonstrated advanced proficiency in various computer applications, including word processing, spreadsheets, and presentation software.
- Competed against top students nationwide, showcasing strong problem-solving skills, attention to detail, and the ability to work efficiently under pressure.
- Earned silver medal at nationals. Earned gold medal at state.

EDUCATION

Bachelor of Science, Computing | Expected December 2025

Concentration – Information Systems
East Tennessee State University – Johnson City, TN

- BlueSky TN Scholarship

Associate of Applied Science, General Studies | April 2022

Chattanooga State Community College - Chattanooga, TN

- Phi Theta Kappa
- Summa Cum Laude

Diploma | May 2022

Marion County High School - Jasper, TN

- Dual-Enrolled
- Placed 6th for the Class of 2022