# Andrew Bohlmann

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## Technical Skills

**Cybersecurity Fundamentals**: Cryptography, Cyberlaw & Ethics, Penetration Testing
**Programming**: Bash, SQL, Python, HTML, R, Java, C#, MUMPS, LaTeX
**System Administration**: UNIX, Windows 10/11, Windows Server 2019
**Networking**: TCP/IP, DNS, VyOS, pfSense, SMTP, VLANs, Wireshark, HP Aruba, Cisco 3750, Cisco 2811/2901
**Internet of Things**: AIDC, MQTT, BluetoothLE
**Cyberforensics**: Autopsy, Steganography, Disk Imaging, OSForensics, Magnet AXIOM

## Experience

**Server Systems Administrator** June 2025 – August 2026
*Epic Systems* *Verona, WI*

- Managed full production systems for 4 major medical organizations covering 19 hospitals and 618 clinics.
- Provided functional testing and review for security-related code updates.
- Problem-solved and addressed critical issues in real time to prevent system outages.
- Performed regular configuration and code updates to maintain system functionality and security.

**Front Desk Administrator** August 2024 – May 2025
*Bechtel Innovation Design Center* *West Lafayette, IN*

- Managed employee schedules and center operations with digital tools.
- Assisted students and members with completing projects and navigating the center resources and practices.

## Projects

**IoT Security Analysis** | *MQTT, SoC, aircrack-ng, Kali Linux, Penetration Testing* January 2024 – May 2024

- Created a custom smart home IoT device and network using common protocols such as MQTT.
- Conducted penetration testing using readily available tools such as Kali Linux and aircrack-ng.
- Wrote a standard IEEE conference research paper to explain findings.

## Certifications

**Operational Database Administrator** September 2025
*Epic Systems* *Verona, WI*

- Attended courses and completed practical exams on system administrator processes such as database structure and management, operating procedures, maintenance, and system health monitoring.

**Defender 302** October 2022
*Purdue cyberTAP* *West Lafayette, IN*

- Worked with common security tools such as SIEMS, firewalls, and Windows administrator resources to address incident response scenarios in a virtual environment.

## Education

**Purdue University** West Lafayette, IN
*Bachelor of Science in Cybersecurity* *August 2021 – May 2025*

- Cumulative GPA of 3.45.
- Earned Dean's List for the Spring 2022, Spring 2023, Spring 2024, and Fall 2024 semesters.
- Earned Semester Honors for the Spring 2022, Spring 2023, and Spring 2024 semesters.