

AUSTIN WILLIAMS

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Skills: Vulnerability reporting, web application testing with Burp Suite, CVSS 3.0 scoring, Docker, Cloudflare, Git, CI/CD, Linux

Languages: TypeScript, JavaScript, HTML, CSS, SQL, Bash script, PHP, Java, Python

EDUCATION

West Virginia University, Morgantown, WV
Bachelor of Science in Computer Science, emphasis in Cybersecurity
Graduated Summa Cum Laude — Honors Foundation Scholar

Graduated: May 2023
GPA: 4.0

Senior Project: PICARD Distributed Data Classification Platform

- Led design and implementation of distributed data classification system on high-performance hardware utilizing Apache Spark, Docker Swarm, Maven, and Scala in team of 8
- Prototyped and compared different solutions involving Docker Swarm, Kubernetes, and qemu
- Created graphical representations of system architecture to clarify ambiguous requirements with project lead and to document system for future teams

CYBERSECURITY EXPERIENCE

HackerOne Bug Bounty Hunting

- 3+ years of writing technical vulnerability disclosures to internal triage teams
- Reported 14 security vulnerabilities in public-facing web applications across 4 organizations
- Worked with WAF and IAM system developer to resolve over 250 evasions of WAF offering
- Developed platform to automatically scan thousands of GitLab Container Registry images for leaked secrets using Docker Compose, Node.js, Redis, and Trufflehog

PERSONAL PROJECTS

ReunionPage Web Platform (TypeScript, Astro)

- Full-stack development in TypeScript of cloud-native family-oriented CMS using Astro, Cloudflare Workers, Cloudflare R2 (S3-like object storage), Cloudflare D1 (cloud SQLite), Cloudinary media processing, SendGrid email services, and Stripe
- Implemented 70 endpoints of REST API

Family Tree Component Library (TypeScript, React) - <https://github.com/arw6329/family-tree-renderer>

- Developed interactive, editable family tree renderer using React and SVG, including full keyboard accessibility, custom pan/zoom controls, complex state management with useContext

SQL Playground Application (PHP, Vue) - <https://github.com/arw6329/sql-playground>

- Developed containerized SQL playground webapp using PHP, Vue, and Docker Compose
- Used GitHub Actions to build docker image and publish to GitHub Container Registry
- Connected to MySQL, PostgreSQL, and Oracle DB backends

COURSE PROJECTS

Ticket Registration Web Application (Java)

- Developed containerized ticket registration system in Java using Spring Boot and ThymeLeaf in team of 4, including custom interactive venue maps on frontend using SVG

Apartment Review Web Application (PHP)

- Full-stack development of apartment review web application in team of 8 on AWS Lightsail