

# PHILIP J. GONZALES

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## SUMMARY

Cybersecurity and CIS graduate with experience leading projects, building full-stack applications, and operating a small business. Developed platforms including a cyber-attack simulator and a large-scale client-side application. Skilled in practical problem solving, rapid prototyping, and leveraging AI tools to accelerate workflows.

## AREAS OF PROFICIENCY AND FAMILIARITY

C++ · Python · MYSQL · Linux · Virtual Box · Docker · GitHub · BASH

Audacity · GIMP Graphic Design Editor · HTML · Assembly · Godot

Flask · SQLite · Discord · Zoom · Visual Studio Code · Autopsy · FTK Imager

## APPLICABLE SOFTSKILLS

Operations Management · Client Relationship Management · Team Leadership

Resource Allocation and Planning · Interpersonal Communication · Deadline Management

Business Advertising Management · Employee Training and Development

Project Creation and Execution

## EDUCATION:

*Concord University - Athens, WV*

BS in Computer Information Systems

May 2026

BS in Cybersecurity

May 2026

Minor in Math

May 2026

Dean's List Recipient

Spring 2024 · Fall 2024 · Spring 2025 · Fall 2025 · Spring 2026

## PROJECT PORTFOLIO

### **RiskVector.org - Cyber Attack Simulation Platform**

- Developed a Monte Carlo-based cybersecurity simulation tool using real-world breach data (IBM, CrowdStrike, Verizon).
- Modeled attack paths, financial impact, and defensive effectiveness based on company size, industry, and location.
- Designed a multi-metric scoring system (Preparedness, Risk Level, Simulation Outcome) to improve risk clarity for users.

### **VoidScroll.org - Zero-Backend Infinite Video Platform**

- Built a fully client-side PWA serving 24,000+ public domain videos across 17 categories.
- Implemented infinite scroll, gesture-based mobile UX, and ambient sound mixing features.
- Developed using vanilla JavaScript, Service Workers, and a Python scraping pipeline. (Archive.org API)

#### **Portal-Music.com - Copyright-Free Music Platform**

- Created and operate a platform providing royalty-free music for creators on YouTube and TikTok.
- Eliminates copyright strike risk and provides guidance for resolving content claims.
- Designed for accessibility and real-world usability, supporting content creators at scale.

#### **Cyber Trainer - Game-Based Cybersecurity Learning Tool**

- Led a team as Project Manager to develop an interactive cybersecurity training game using Godot.
- Coordinated version control and collaboration using GitHub.
- Focused on teaching real world cyber basics through gameplay.

#### **Riverside Lawncare Inc. - Co-Founder & Operator**

- Co-founded and scaled a lawn care business (est. 2013) that remains fully operational.
- Managed operations, customer acquisition, and digital presence.
- Built and maintained company website and marketing systems.

#### **Other Projects**

- Movie Monster: Movie database application built using Google AppSheet for structured data management and user interaction
- Pawster (Prototype): Animal foster c.ordination app (Python, Flask, SQLite) developed to demonstrate core functionality and system design.
- AI Music Experimentation: Explored AI-generated music production, prompt engineering, and digital distribution across streaming platforms.

### **PROFESSIONAL EXPERIENCE**

#### **Riverside Lawn Care:**

*Operations Manager - 2013 to Present*

- Manage daily operations including scheduling, staffing, and resource allocation for 100+ clients
- Lead hiring, training, and team coordination to ensure efficient service delivery
- Oversee customer relationships, project planning, and equipment maintenance

#### **Bridgeport Equipment and Tools:**

*Service Manager - 2022 to 2023*

- Led a team of mechanics to deliver timely, high-quality equipment repairs
- Managed customer communication, estimates, billing, and service coordination
- Supported retail, rental, and parts operations to improve overall efficiency

**Riverside Mechanical Services:**

*HVAC Assistant - 2015 to 2016 (part time)*

- Assisted in the installation and maintenance of residential heating systems.

**Winterplace Ski Resort:**

*Ski Tech - 2013, 2016, and 2017 (part time)*

- Provided customer service and equipment support in a fast-paced environment.