

Riviera Sperduto

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EDUCATION

Temple University

Bachelor of Science in Computer Science

Philadelphia, PA

Aug. 2023 – May 2025 — 3.52 GPA

Community College of Philadelphia

Associates of Science in Mathematics

Philadelphia, PA

Aug. 2021 – May 2023 — 3.73 GPA

EXPERIENCE

Industrial Field Engineer

Automation Standard

September 2025 – Present

Remote / On-Site

- Supported MTN6 Amazon warehouse commissioning in Maryland, performing functional checks and troubleshooting hardware integration issues.
- Developed an internal dashboard application for tracking and reporting warehouse commissioning functional checks.
- Designed and prototyped an MCP tool enabling AI-assisted PLC code generation for Studio 5000 software with CAD analysis capabilities.

Development Apprentice

BRIO Designs Partners, LLC

May 2025 – August 2025

Conshohocken, PA

- Developed user interfaces for web/software applications and implemented Salesforce instances in a fast-paced tech environment.
- Collaborated with tech experts on client projects involving C#, MVC, and Microsoft technologies.

Information Technology Intern

SNIPES USA

September 2024 – December 2024

Bensalem, PA

- Developed and tested Python tools to automate SDWAN updates and network traffic analysis, reducing desktop support ticket times by around 20 seconds.
- Shadowed a System Administrator to learn VM creation in Azure, Microsoft Active Directory, and fixing critical tests for the staging website.

Intern

Temple University

October 2023 – May 2025

Philadelphia, PA

- Designed and optimized programs to automate data verification, cutting runtime from over a minute to under 30 seconds per record.
- Deciphered SQL files and documentation to help the team understand backend functionality and query operations.

PROJECTS

TrackAmerica | TypeScript, Expo, Node.js, PostgreSQL, Azure OpenAI

Oct 2025 – Present

- Cross-platform app tracking representatives and legislation with AI-powered insights built with Expo and Azure OpenAI.

CodeGrind | React, Node.js, PostgreSQL, Prisma, Azure

Jan 2025 – Present

- Gamified interview prep platform with AI tutoring featuring tower defense coding game.

Helios: Swarm Robotics | Python, C#, Unity, PyQt5, ROS 2

Jan 2025 – May 2025

- Disaster response simulation with Python backend, Unity frontend, and custom PyQt5 visualization tools.

BestNotes | Python, Qt Core, PySide6

Oct 2024 – Dec 2024

- Free, open-source note-taking app with moveable toolbar and customizable eraser features.

Projectile Launcher Rework | Lua, YAML, JSON, RedScript

Dec 2022 – Present

- Cyberpunk 2077 mod (45k+ downloads) modifying game mechanics with new variants and attachments.

TECHNICAL SKILLS

Languages: Python, Kotlin, Java, C/C++, C#, SQL (MySQL & Postgres), JavaScript, TypeScript, HTML/CSS, YAML, Lua, RedScript, Ruby, Liquid, GDScript

Frameworks: Testim.io, MS Active Directory, Tailwind, Unity, Jekyll, Expo, Express, React/React Native

Developer Tools: Git/GitHub, Docker, Microsoft Azure, VS Code, Visual Studio, PyCharm, IntelliJ, MariaDB, Dependency Track, Power Automate, Prisma, Ollama, GitHub Pages, Google Analytics, Google AdSense, Studio 5000, MCP, pgvector, ROS 2

Libraries: Qt Core, PySide6, Meraki, GUIZero, PyQt5, Material Design, Android SDK