Riviera Sperduto

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EDUCATION

Temple University — Philadelphia, PA
Bachelor of Science in Computer Science — *Aug. 2023 – May 2025 — 3.52 GPA*

Community College of Philadelphia — Philadelphia, PA
Associates of Science in Mathematics — *Aug. 2021 – May 2023 — 3.73 GPA*

EXPERIENCE

Software Developer (Volunteer) — March 2025 – Present
Whitemarsh Art Center — *Remote / Part-Time*
- Engineered backend services with Azure Function Apps for authentication and inventory workflows.
- Migrated production infrastructure from WPEngine to Azure with Application Insights telemetry.
- Built automated backup workflows using Azure Blob Storage and managed Agile sprints in Azure DevOps.

Industrial Field Engineer — September 2025 – October 2025
Automation Standard — *Remote / On-Site*
- Developed internal web dashboard to track warehouse commissioning and functional validation workflows.
- Built MCP-based AI pipeline for PLC code generation in Studio 5000 with controls engineering team.

Development Apprentice — May 2025 – August 2025
BRIO Designs Partners, LLC — *Conshohocken, PA*
- Developed responsive frontend components and backend logic with JavaScript and C# MVC.
- Implemented Salesforce-backed applications, collaborating with designers to deliver production features.

Information Technology Intern — September 2024 – December 2024
SNIPES USA — *Bensalem, PA*
- Built Python automation tools for SD-WAN updates and network analysis, reducing ticket resolution time.
- Managed Azure VMs, Active Directory configurations, and staging environment testing for deployments.

Intern — October 2023 – May 2025
Temple University — *Philadelphia, PA*
- Optimized data validation pipelines, reducing processing time by 50% (60+ to under 30 seconds per record).
- Refactored SQL queries to improve backend performance on legacy systems.

PROJECTS

CodeGrind | *React, Node.js, PostgreSQL, Prisma, Azure* — Jan 2025 – Present
- Full-stack gamified interview prep platform with AI tutoring and tower defense game at https://codegrind.online.

TrackAmerica | *TypeScript, Expo, Node.js, PostgreSQL, Azure OpenAI* — Oct 2025 – Present
- Cross-platform app tracking congressional representatives and legislation with AI-powered insights.

Helios: Swarm Robotics | *Python, C#, Unity, PyQt5, ROS 2* — Jan 2025 – May 2025
- Disaster response simulation with distributed Python backend, Unity frontend, and ROS 2 multi-agent coordination.

TECHNICAL SKILLS

Programming Languages: TypeScript, JavaScript, Python, C#, Java, SQL (PostgreSQL, MySQL), C/C++, PHP, Ruby
Frontend: React, React Native, Expo, HTML5, CSS3/SCSS, Tailwind CSS, Unity, Qt/PySide6
Backend & APIs: Node.js, Express, REST APIs, Prisma ORM, Azure Function Apps, Authentication & Authorization Flows
Databases: PostgreSQL, MySQL, SQL Query Optimization, Schema Design, Database Migrations
Cloud & DevOps: Microsoft Azure (Function Apps, Blob Storage, Application Insights, VMs), Docker, CI/CD Pipelines, Azure DevOps, GitHub Actions
Tools & Platforms: Git/GitHub, Linux, Azure DevOps Boards, Power Automate, Active Directory, ROS 2, MCP, Studio 5000
Other: Distributed Systems (ROS 2), Telemetry & Monitoring, AI Integration (Azure OpenAI), Test Automation, WordPress Development