Patrick Carroll

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Beavercreek, Ohio United States

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Clearance: Top-Secret SCI

GitHub

https://github.com/PCarroll9500

Certifications

CompTIA Security Plus
Cisco CCNA1

Skills

Programming in C, C#, C++, Java, Python, HTML/CSS/JavaScript, SQL, VBA, PowerShell, Batch (Windows), and Bash (Linux)

Education

Texas A&M–Corpus Christi
Bachelor of Science, in Computer Science
Focus Systems Programming
Dec 2023 (GPA 3.65)

Projects

Document AI Organization & Scanner

Document classification, renaming, meta-tagging, and organization using AI. Utilized, Microsoft Azure AI Intelligence, Open AI, Python, Java, and JavaScript.

Comparing LLM Context Similarity

Tested the similarities and accuracy of different OpenAI models with Jupyter Notebooks.

Battlezone Remake

A recreation of the 1980s tank simulator done in C/C++ OpenGL, recreated with the iconic Green Vector 3d graphics, particle effects and collision detection.

10+ years of technical experience in programming, automation, and signal analysis. Reliable, motivated, and seeking opportunities supporting the DoD.

Experience

Junior Model and Simulation Engineer   Aug 2024 – Present

Radiance Technologies, Beavercreek, Ohio

- Integrate Simulink models into AFSIM plugins in C++.
- Introduce new models into pipeline automation via MATLAB scripting. Automate testing of verification and validation data.
- Maintain version control via SVN.
- Collaborate in a Kanban Agile team environment.

Information Systems Technician   Apr 2019 – Feb 2025

United States Navy Reserve, Cinncinati, Ohio

- Support the Navy part time. Trained in Cisco Routers, Switches, End Devices, IPv4 and IPv6 addressing, network protocols, and troubleshooting. Qualified in Enlisted Information Warfare.

System Software Support Engineer   Jan 2024 – Aug 2024

MBS Professional, Mason, Ohio

- Developed and streamlined Windows 10/11 PC deployment via imaging, Windows PE, and batch scripting.
- Created an AI-driven Text-to-Speech add-in for automating PowerPoint training.
- Created documentation to set parameters and update the SQL Server database per customer configurations.

IT Systems Administration Assistant   Aug 2019 – Dec 2021

Texas A&M Corpus Christi, Corpus Christi, Texas

- Handled 700+ tickets dealing with the administration of User Accounts, E-mail, Listserv, Security Groups, Distribution Groups, Shared Mailboxes, File Systems, HPC and Active Directory.

Submarine Electronics Technician   Apr 2014 – Apr 2019

United States Navy, Norfolk Virginia

- Played a key role in signal analysis and navigation, significantly improving safety of ship and tactical awareness.
- Led teams of 2-3 in the maintenance and repair of critical systems.
- Qualified in Submarine Electronic Warfare Support System, Maintenance, Tag-Out, Electronic Key Management Systems User (KMI) with 100% accountability, Qualified in Enlisted Submarine Warfare.