Tristan J. Pereira

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Active TS/SCI with CI Polygraph

Professional Summary

Passionate Systems Test Engineer with 8 years of technical experience processing geospatial data and maintaining information systems. Adept at providing tailored solutions in a rapidly changing and fast-paced environment. Skilled in automating tasks and data compilation in order to produce innovative and applicable products. Expert in customer support and relations. Supported customers ranging from DoD agencies to NATO partners. Confident with professional standards and regulations as well as current security practices.

Specific Skills

Database Management, Research, Analysis
Systems Architecture, Networking, Cybersecurity
Sensor Phenomenology, Geomatics, Data structures
Cloud Architecture, Amazon Web Services (AWS), Data Wrangling
Python, C++, JavaScript/HTML/CSS, Node.js, Express.js, REST, SOAP, CxOracle, ArcPy

Professional Experience

- **Systems Test Engineer | Criterion Systems, Inc. | San Diego, CA (Oct 2022 - Present)**

  - Design, implement, and demonstrate test procedures for the client.

  - Testing system architecture, software integration, and cloud infrastructure to satisfactory measurements.

    - Collaborated with product teams to develop automations and integrations using RESTful and SOAP APIs.

    - Contributed to the design, implementation, and testing of AWS and data integration services such as SwiftStack, StorageGrid, and Apache Kafka.

- **Intelligence and Electronic Warfare Tactical Proficiency Trainer (IEWTPT) Instructor/Operator | Cole Engineering Services | Fort Irwin, CA (Aug 2021 - Aug 2022)**

  - Configure, maintain, and integrate intelligence systems architecture to include all subsidiary intelligence traffic and facilitation platforms in the IEWTPT program.

    - Establish, monitor, and improve message routing and connections to the client. Troubleshoot and resolve network issues and reduce software latency.

  - Active in the planning and implementation of training programs, practices, and procedures alongside government customers and program management.

- **Intelligence Training and Analysis Feedback Analyst | Valiant Integrated Services | Fort Irwin, CA (Mar 2021 - Aug 2021)**

  - Responsible for the Collection Management/Request for Information (RFI) function in support of the Rotational Training Unit (RTU) and government clients.

  - Coordinating and integrating various intelligence subjects and platforms, and implementing their use of information collection.

- **Geospatial Intelligence (GEOINT) Analyst | United States Marine Corps | Camp Pendleton, CA (Apr 2016 - Apr 2021)**

    - Managing geospatial data; creating and disseminating geospatial scripts and intelligence products.

        - Built a Python script to automate geospatial workflows, reducing overall time spent on production by 75%, resulting in the creation of 467 geospatial products within a 8 month deployment period.

        - Implemented a Python data pipeline to process geospatial data for immediate use, assisting supervisors' and co-workers' work load by 10%.

        - Set up, maintained, and managed the reliability of (2) Topographic mapping suites to include a topographic server that acted as a library for geospatial content and workflows. Resolved network, hardware, and software issues between the server, PC, and peripherals.

    - Collected, processed, analyzed, and disseminated geospatial data within the GEOFidelis Spatial Data Standards for Facilities, Infrastructure, and Environment (SDSFIE) enterprise geodatabase. Utilizing version control in a team environment.

    - Coordinated customer requirements with various agencies and customers from the national level such as Department of Homeland Security and DoD military to the local level such as the Police and Fire Department.

Education/Certifications

- CompTIA Security+

- Geospatial Intelligence (GEOINT) Requirements Management Course

- Fundamentals of Spectral Exploitation and Analysis (MSI)

- Fundamentals of LiDAR Analysis

- Fundamentals of Synthetic Aperture Radar Analysis (SAR)

- USCENTCOM Intelligence, Surveillance, and Reconnaissance (ISR) Tactical Operator

- GEOINT Professional Certificate - Fundamental (GPC-F)

Awards/Honors Received

- Navy and Marine Corps Achievement Medal (2)

- Overseas Service Medal (1)

- Global War on Terrorism Expeditionary Medal (1)

- Armed Forces Service Medal (1)

- Marine Corps Good Conduct Medal (1)

- National Defense Service Medal (1)

- Global War on Terrorism Service Medal (1)

- Certificate of Accommodation (2)