Daniel Lungaro

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Software Engineer

A dynamic professional gaining experience in the Software Engineering field. Adept at analyzing data to make recommendations that improve upon future operations. Skilled at presenting at large personnel conferences, as well as leading collaborations with local and international agencies.

Technical and Professional Skills: C++ | C# | Linux | ASP.NET | Data Analysis | Python | Leadership | Management

PROFESSIONAL EXPERIENCE

Software Engineer | Fuse Integration | June 2020-Present

Responsible for developing C++ code to integrate unique radio communication networks. Create unit tests to ensure the resiliency of work produced. Utilize Python to develop analytical scripts. Test software and integrate 3rd party software into extensive hardware tests.

- Developed the C++ code to implement a new radio device into the overarching communication network via integration with a MQTT message broker system.
- Created multiple Python scripts to parse log messages and Postgres SQL database tables to produce informative charts on performance of aircraft during post-test investigations.
- Implemented Microsoft Teams flows to help organize morning stand ups and stand up notes into a more efficient and expedient execution.

Strategy & Training Program Manager | United States Marine Corps | June 2016-June 2020

Manage section that oversees organization's events and qualifications for each member. Analyze data to make effective recommendations on organization's strategy for future operations. Conduct records management and advisement of senior leadership on manners regarding training and manning.

- Presented organization's capabilities to a 200 personnel conference, including international colleagues, leading to collaborations with international agencies.
- Instructed over 40 employees on military communication networks, paramount to all participants passing the course.
- Compiled qualification tracking report for employees to streamline qualification process and increase organization's readiness to implement travel for personnel.
- Served as Group Leader for a 290 mile and 15 vehicle convoy, safely transporting 45 personnel and over 1 million USD in equipment.

EDUCATION

Master of Science in Computer Science | California State University, Fullerton | Aug 2020-Present

Bachelor of Arts in Computer Science (Magna Cum Laude) | State University of New York at Albany | Sept 2012-May 2016

Microsoft Software and Systems Academy | Embry-Riddle Aeronautical University, San Diego, CA | Jan 2020-May 2020

PERSONAL PROJECTS

Chrono Clash Decks – Card game deck builder, developed with C#, ASP.NET Core, and SQL, hosted on Azure.

Portfolio Site - Personal portfolio site developed with React and Gatsby hosted on AWS.

Happy Snail Programing - Articles and tutorials on programming, hosted on WordPress.

VOLUNTEER

Vice President | Five Quad Volunteer Ambulance Service | Albany, NY | Sept 2012-May 2016
- Directed an 80 personnel organization with two operational ambulances