Matthew Intriago

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TECHNICAL SKILLS

Frameworks and Tools: Linux, VS Code**,** Docker, RTI DDS, Git, Jira, Confluence, React
Programming Languages: Python, C++, C, HTML5, CSS, JavaScript, PostgreSQL
Languages: English and Spanish

EXPERIENCE

Software Engineer I - *Heka Aero LLC, Melbourne, FL*   Nov. 2021 – Aug.2024
- Contracted to develop Python and C++ applications within a Docker-based infrastructure for Wabtec Corporation and Maritime Tactical Systems, Inc.
- Conducted thorough testing and validation of integrated systems to ensure reliability and performance against defined requirements.
- Created and maintained comprehensive documentation for the team, including detailed onboarding instructions, test case procedures, installation guides, and application READMEs.
- Performed ongoing maintenance, support, and enhancements for existing systems and platforms, which included troubleshooting and debugging reported issues.
- Collaborated with inter-disciplined engineers in an agile environment and participated in daily scrums.

Associate Software Engineering Technician - *Leonardo DRS, Melbourne, FL*   May. 2019 – Jun. 2020
- Developed C/C++ code in a Linux environment in support of active projects.
- Developed automated unit tests and integrated them into a Jenkins pipeline.
- Supported engineering with routine engineering duties and/or hands-on tasks.

Phone Analyst - *Florida Institute of Technology, Melbourne, FL*   Sep. 2017 – Jun. 2019
- Applied knowledge of computer software and hardware skills to incoming calls and appointments from students, faculty, and staff across campus.
- Diagnosed and repaired computers across campus, helping to eliminate technical difficulties and inefficiencies for students, faculty, staff, and classroom technology.

PROJECTS

Debris in Space Autonomous Removal Mechanism   Aug. 2020 – May. 2021
- Acted as a Control Systems Engineer working in developing a single-use, autonomous, and universal space debris grappling device that uses capacitor discharge stud welding as its method of attachment.

EDUCATION

Bachelor of Science: Computer Science   Aug. 2017 – May. 2021
Florida Institute of Technology, Melbourne, FL
GPA: 3.31

LEADERSHIP & INVOLVEMENT

Florida Institute of Technology:
- Member – Volleyball Club   Sep. 2017 – May. 2021
  - Vice President   Aug. 2018 – May. 2020
- Member – Latin American Student Association   Sep. 2017 – May. 2021
  - Treasurer   Aug. 2020 – May.2021
- Member – Pi Kappa Alpha Fraternity   Mar. 2018 – May. 2021