

Lorenzo Salgado

📍 Cambridge, Massachusetts ✉ lorenzosalgado6@gmail.com ☎ 2816913507 🌐 in/lorenzo-salgado

SUMMARY

Motivated engineering graduate with a strong academic background. 2 years experience in technical writing and excited to contribute to innovative engineering projects. Quick learner with excellent communication skills.

EDUCATION

Bachelor of Science in Mechanical Engineering | Tufts University | Medford, MA | May 2021

PROFESSIONAL EXPERIENCE

Technical Writer and Quality Engineer | Teledyne FLIR | Boston, MA | October 2022 - Present

- Develop quality test procedures documentation including: work-instructions (WIs), standard operating procedures (SOPs), and operations manuals for the FWS-I program's QA process. Ensuring project specification compliance with customer contractual requirements.
- Support the onsite cryocooler (IDCA) lab manager and technicians with QA support, including: incoming and outgoing inspections, process conformance, and statistical analysis of recorded test data.
- Engage in test travel to develop standard test procedures, emphasizing repeatability and clarity of instructions, for environmental quality standards.
- Conduct quarterly internal audit reviews in alignment with ISO 1900:2015 standards, following comprehensive two-day training.
- Collaborated with cross-functional teams and subject matter experts (SMEs) across FLIR's U.S. offices, providing technical editing support for product installation and operations manuals.
- Assist in accreditation initiatives for an on-site independent 3rd-party Environmental Testing Lab, ensuring adherence to ISO 17025 standards.

Contract Technical Writer | Self Employed | Remote, USA | June 2021 - October 2022

- Astra: Developed manufacturing documentation for Astra's Rocket 3.3 (LV0007-LV0011), including 50+ work-instructions for electronic assemblies and sub-assemblies, 20+ standard operating procedures, and 30+ reference specification sheets. Conducted interviews with subject matter experts (SMEs) and Technicians, referring to relevant CAD designs, engineering drawings, and other authoritative sources.
- Concept IP: Provided technical consulting services for 3 non-provisional patent applications, resulting in the creation of 10+ support documents highlighting distinctive technical aspects of the inventions. These documents were based on thorough analysis of feedback received from the USPTO, ensuring compliance with existing patent literature for electronics systems.
- Demonstrated strong project management skills by facilitating regular communication with project members through weekly standup meetings. Used a range of online project management tools, such as Teams, Jira, Mattermost, Asana, and Confluence to efficiently track progress and manage workload independently.

INVOLVEMENT

Society of Hispanic Professional Engineers | September 2017 - Present

- Facilitated advanced STEM initiatives for a group of 80+ Latinx college students at Tufts, conducting weekly group meetings and delivering presentations to foster academic and professional development.
- Proactively created engaging and informative email content to promote job and internship opportunities, as well as relevant conference participation for the students.
- Successfully organized and hosted the Engineering and Science Networking Night, attracting 12+ company representatives and 100+ student attendees for a highly productive recruiting and networking event.
- Established and maintained a robust network comprising 10,000+ Hispanic professional engineers and scientists across the United States.

SKILLS

Technical Skills: Fusion360, Python (Numpy, Pandas, Scikit-learn), Rapid Prototyping (Laser Cutting, 3D Printing, Arduino), Microsoft Office Suite, Google Docs, Colab, MATLAB, R-Suite, C++.

Soft Skills: Bilingual (English, Spanish), Proactive Communication Skills, Time Management, Attention to Detail.