Lorenzo Salgado

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Education

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

Professional Experience

Technical Writer | Sole Proprietorship | Somerville, MA | June 2021 - Present
• Develop and edit high-quality manufacturing documentation for small launch vehicles - including Work Instructions (WIs), standard operating procedures (SOPs) and primary reference materials - for an aerospace client based on interviews with SMEs and Technicians and from studying relevant CAD, engineering drawings.
• Review and evaluate non-provisional patent applications for an Intellectual Property (IP) Law firm client on per-diem basis, developing suggested support documentation to clearly communicate technical aspects of inventions from feedback received from USPTO.
• Maintain active communication with project members through weekly standup meetings and through online project management tools (Teams, Jira, Mattermost, Asana, Confluence).

Teaching Mentor, Tisch Summer Fellows | South End Technology Center | Boston, MA | May 2019 - August 2019
• Hosted a series of 5 Science and Engineering Workshops for 30+ Boston high school students with 5 other Teaching Mentors, through the lens of social and racial justice.
• Promoted STEM to 400+ youths across community spaces in Boston with designed educational material using 3D-printing, laser cutting, and programming with Micro:Bit (MakeCode) and Arduino (C++).

Department Director, Parent Affairs Domain | Students With Ambition Go (SWAG) to College | Houston, TX | June 2018 - January 2019
• Scheduled bi-weekly team brainstorming meetings with 8 members for directed advice and feedback on current and future work.
• Generated comprehensive college application curriculum for use by high school students in 30+ Houston area after-school programs.

Involvement

Tufts University | Society of Latinx Engineers and Scientists | SHPE | September 2017 - Present
• Advanced STEM achievement for 80+ Latinx college students through weekly group meetings, proactive e-mail communication promoting opportunities for jobs, internships, and conference opportunities.
• Organized Networking Night Event, inviting 12+ company representatives and 100+ student attendees for a recruiting networking event.
• Maintain a network of 10,000+ Hispanic professional engineers and scientists throughout the U.S.

Skills

Technical Skills: Fusion360, Python (Numpy. Pandas, Scikit-learn), Rapid Prototyping (Laser Cutting, 3D Printing, Arduino), Microsoft Office, Google Docs, Colab, MATLAB, R-Suite, C++.
Soft Skills: Bilingual (English, Spanish), Time Management, Attention to Detail, Team Member.