

JONATAN PRETELT

28927 Stormcloud Pass
Wesley Chapel, FL 33543

Cell: (201) 220-1124

Email: Jonatan.Pretelt@gmail.com

PROFESSIONAL SUMMARY: Mechanical Engineer with a Master of Science and a decade of experience in investment casting. Recently transitioned to a Junior Data Operations Engineering role where I've been actively involved in managing end-to-end data pipelines. Currently expanding my skills in Software Development and Data Engineering. I am seeking a role in Software Development or Data Engineering to leverage my practical work experience and solid educational experience.

SUMMARY OF SKILLS:

- Bilingual English/Spanish with the ability to translate.
- Proficient with Microsoft Office, MSBI, Power BI, Postgres, Apache Airflow, Flask, Django, Snowflake
- Programming Languages: Python, C++, C#, SQL, JavaScript, CSS, HTML5.
- Good problem solving, critical thinking, project management, and statistical analysis skills.

EXPERIENCE:

PROFESSIONAL EXPERIENCE:

07/22 – present **Datalink Software** Tampa, FL
Data Operations Engineer

- Responsible for day-to-day technical development, delivery, releases, deployments, operations, and monitoring of end-to-end data pipelines.
- Concurrently collaborate with customers to achieve accurate resolutions of issues, with a specific focus on data validation and other related data issues.

09/18 – 07/22 **Chromalloy Castings** Tampa, FL
Sr. Product Engineer

- Continued responsibilities similar to the Arconic role, focusing on ensuring dimensional integrity, troubleshooting manufacturing problems, and conducting root cause analysis.
- Utilized Python with libraries such as NumPy, Pandas, matplotlib, seaborn, and scikit-learn to develop regression models, identifying and addressing factors contributing to scrap in the manufacturing process. This initiative showcased analytical and problem-solving skills, optimizing product quality, and reducing waste.

05/21 – 08/21 **University of South Florida - Institute of Applied Engineering** Tampa, FL
Research Assistant

- Developed python scripts to fetch journals from various APIs.
- Created scripts to pre-process data and retrieve key performance indicators.

06/2011 – 08/2018 **Arconic Power and Propulsion** Dover, NJ
Product Engineer

- Managed in-process and First Article Inspections.
- Collaborated with tool vendors for design concept verification and construction validation process.
- Worked concurrently with customers to design components for castability, ensuring dimensional integrity, troubleshooting manufacturing problems, and conducting root cause analysis.
- Improving casting profitability through cost reductions.

References available upon request.

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PROJECTS

Personal Website

- Built and actively maintain a full stack website to showcase my portfolio, learn and practice new skills, and enable family and friends to create profiles to share messages.

Bug Tracker

- Built a web app to track tasks with the owner and team members assigned, utilizing Django for backend and React for front end.

EDUCATION

University of South Florida (December 2021)

- Master of Science in Mechanical Engineering

New Jersey Institute of Technology, Newark NJ (January 2012)

- Bachelor of Science in Mechanical Engineering

CERTIFICATIONS

- Snowflake Snowpro Core (December 2023)
- Astronomer Apache Airflow Fundamentals (July 2023)
- Microsoft AZ900 Azure Fundamentals (December 2022)
- Codecademy Build Python Web Apps with Flask Skill Path (February 2021)
- Codecademy Master Statistics with Python Skill Path (January 2021)
- Codecademy Computer Science Career Path (November 2020)
- ASQ Six Sigma Black Belt Certified (November 2015)

References available upon request.