

Aldene Bellis

Metallurgical Engineer

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📍 1234 Palm Tree Lane,
Orlando, FL 32801

Education

**Bachelor of Science in
Metallurgical Engineering
at Florida Institute of
Technology, Melbourne, FL**

Sep 2018 - May 2022

Relevant Coursework: Materials Science, Thermodynamics, Metallurgy, Mechanical Behavior of Materials, Physical Metallurgy, Heat Treatment, Corrosion Engineering, Phase Transformations, Extractive Metallurgy, and Powder Metallurgy.

Links

[linkedin.com/in/aldenebellis](https://www.linkedin.com/in/aldenebellis)

Skills

Thermodynamics

Crystallography

Pyrometallurgy

Hydrometallurgy

Electrometallurgy

Metallography

Powder Metallurgy

Languages

English

Mandarin

Profile

Metallurgical Engineer with 1 year of experience in the industry, demonstrating a strong foundation in materials science, metal extraction, and process optimization. Proficient in conducting metallurgical testing and analysis, with a focus on enhancing product quality and improving production efficiency. Adept at collaborating with cross-functional teams to achieve project objectives and drive continuous improvement. Eager to apply technical expertise and contribute to the success of an innovative organization.

Employment History

Metallurgical Engineer at Gulf Coast Metallurgical Services, Inc., FL

May 2023 - Present

- Successfully increased production efficiency by 15% through the optimization of metallurgical processes and implementation of advanced technologies, resulting in a higher output and reduced operational costs for Gulf Coast Metallurgical Services, Inc.
- Conducted in-depth failure analysis on over 50 critical components, identifying root causes and providing actionable recommendations to prevent future failures, leading to a 30% reduction in component failure rates and increased equipment reliability.
- Developed and implemented a comprehensive quality control program, which led to a 20% improvement in product quality and consistency, resulting in increased customer satisfaction and repeat business for the company.
- Collaborated with cross-functional teams to identify and resolve metallurgical issues in 10 major projects, resulting in improved project timelines, reduced costs, and increased profitability for Gulf Coast Metallurgical Services, Inc.

Associate Metallurgical Engineer at Florida Metallurgical Inc., FL

Sep 2022 - Apr 2023

- Developed and implemented a new alloy production process that increased overall efficiency by 15%, resulting in an annual cost savings of \$250,000 for Florida Metallurgical Inc.
- Successfully led a team of 5 engineers in the redesign of a critical component for a high-profile aerospace client, reducing material waste by 10% and increasing the component's lifespan by 25%.
- Conducted a comprehensive failure analysis on a major industrial equipment failure, identifying the root cause and recommending corrective actions that ultimately saved the company \$500,000 in potential litigation costs and downtime.

Certificates

Professional Metallurgist (P.Met) Certification

Feb 2022

NACE Corrosion Specialist Certification

May 2020