

# Ahmed Salih Alduwayb

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## EDUCATION

**Metallurgical and Materials Engineering**  
Ankara Yıldırım Beyazıt University

09/2016 – 06/2023  
Ankara, Turkey

## EXPERIENCE

**Materials Engineering intern**  
ETİ MADEN İŞLETMESİ BİGADİÇ

07/2022 – 09/2022  
Balıkesir, Turkey

- Assisted with the analysis of Boron samples using the X-Ray Fluorescence (XRF) device to accurately identify and measure the elemental composition of the samples
- Documented the physical and chemical properties of Ulexite and Colemanite through standardized tests
- Developed skills in material science and metallurgical analysis through hands-on experience
- Demonstrated proficiency in the use of advanced analytical equipment.



**Engineering Intern**  
AMEC INDUSTRIES

06/2022 – 07/2022  
Ankara, Turkey

- Utilized 3D and 2D CAD software, including Siemens NX, SolidWorks, and AutoCAD, to design and engineer models for PSA oxygen and nitrogen generation systems
- Created user instruction manuals and marketing materials in multiple languages, including English and Arabic, to support the company's global customer base
- Assisted with the translation of key departmental documents and internal communications to ensure clear and effective communication within the organization
- Collaborated with the engineering team to identify and implement process improvements that increased the efficiency and productivity of the technical documentation process.



**Independent Contractor - Part Time Arabic Translator**

01/2015 – 03/2017

- Provided professional translation and interpreter services via internal correspondence: phone, walk-in, and internet
- Managed documents such as correspondence, drafts, memos, and feedback, and prepared 3 reports weekly for international clients

## PERSONAL PROJECTS

**Enhanced Electrochemical Performance of Screen-Printed Electrodes Modified with Reduced Graphene Oxide and Thionine Nanocomposite for Simultaneous Detection of AA**

09/2022 – 07/2023

- Fabricated rGO-TH nanocomposite-modified SPEs by using a screen-printing machine and a potentiostat/galvanostat device
- Optimized the synthesis conditions by applying different voltages and currents
- modified SPEs by using cyclic voltammetry and electrochemical impedance spectroscopy techniques
- Characterized the electrode surfaces by using XRD, SEM, and Raman devices in the AYBU central lab

**Corrosion Rate Prediction in Oil and Gas Pipelines Using FreeCorp Software**

03/2023 – 06/2023

- Simulated and analyzed the corrosion behavior of oil and gas pipelines under different pH and CO<sub>2</sub> conditions using Free Corp software and discussed the corrosion mitigation strategies.

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LANGUAGES

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- Arabic: C2 Proficient
- English: C2 Proficient
- Turkish: B1 Intermediate

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SOFTWARE

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Siemens NX	● ● ● ● ●	FREECORP -Corrosion Prediction Software	● ● ● ● ●
SolidWorks	● ● ● ● ●	Python	● ● ● ● ●

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CERTIFICATION & PROFESSIONAL DEVELOPMENT

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<b>Quality Management</b> ISO 9001:2015 Sigmacert- belgelendirme SQR-2021-132021	<b>Fusion 360: Basic Port Modeling (LinkedIn)</b> <ul style="list-style-type: none"><li>• Sketching, dimension modification, constraining</li><li>• Canvas attachment</li><li>• Combining &amp; separating bodies</li></ul>
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