

Berat Tuğberk Günel
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Education

IFP SCHOOL

Reservoir Geoscience and Engineering MSc

- Fully funded by Equinor

Paris, France

2024 September - Continuous

ISTANBUL TECHNICAL UNIVERSITY

Petroleum and Natural Gas Engineering, GPA: 3.59 / 4.00

- Dean's High Honour List
- Unofficial major and faculty premier

İstanbul, Turkey

2021 October - 2024 June

WARSAW UNIVERSITY OF TECHNOLOGY

Energy Sources, Conversion, and Storage, Athens Course

- Lectures about energy sources such as renewable, geothermal etc.
- Conversion efficiencies of the energy systems
- Main storage types of the energy systems and their efficiencies
- Challenges ahead the net zero
- Final examination

Warsaw, Poland

2023 March 10 – 2023 March 17

TECHNISCHE HOCHSCHULE GEORG AGRICOLA

Sustainability and Resource Efficiency, Summer School founded by DAAD

- Workshops and technical excursions on ex-mining field, methane production field experienced
- Participated into interactive lectures and organized case studies

Bochum, Germany

2022 June - 2022 July

TEKIRDAG ANATOLIAN HIGHSCHOOL

Focused on mainly formal sciences, Graduation Score: 88.32 / 100.0

Tekirdağ, Turkey

2014 October - 2018 June

Experience

TURKISH PETROLEUM OFFSHORE TECHNOLOGY CENTER

Long Term Reservoir Engineering Intern

- Hands on experience on well test, and flowback operations as well as time series forecasting
- Construction of machine learning models for offshore gas project
- Reservoir management
- Geomechanics
- Hands on experience on Petrel, Techlog, and Kappa software's

İstanbul, Turkey

2023 November – 2024 June

BAKER HUGHES

Engineering Intern at Completion and Wellbore Intervention

- Hands on experience on lower completion tools
- Handling with assembling, maintaining completion tools
- Experienced tools: Gravel Pack Packer, Screen, Liner, Packer, Crossover, Lower Quick Connect
- Understanding of gravel pack type sand control operations

Ankara, Turkey

2023 August – 2023 September

TU Bergakademie Freiberg
Summer Research Intern

Freiberg, Germany
2023 June - 2023 August

- Developing python-based automation for drilling datas
- Collecting real time drilling datas from a drilling rig
- Developing a model-to-model geothermal potential of the Freiberg
- Machine learning and web-based simulation: <https://drillingautomation.streamlit.app>

INSTITUTE OF GRADUATE SCHOOL
Part-time IT Consultant

Istanbul, Turkey
2023 February - 2023 June

- Developing python-based website for ITU
- Handling with databases
- Debugging
- Data gathering
- Explore the website: <https://leebasvuru.itu.edu.tr/>

TURKISH PETROLEUM
Production Engineering Intern

Lüleburgaz, Kırklareli
2022 August - 2022 September

- Various pieces of surface equipment for oil/gas fields are introduced
- Participated in gas lifting, perforation, and flare operations
- Usage of echo-meter is surveyed
- Basic fluid experiments are conducted in the field's laboratory

Leadership & Activities

Society of Petroleum Engineers ITU
Secretary

Istanbul, Turkey
2023 April- 2024 April

- Responsible for communicating with industry companies
- Writing and arranging reports of the assemblies
- Technical excursion

COMMUNITY VOLUNTEERS FOUNDATION (TOG)
Member

Istanbul, Turkey
2022 March - 2022 August

- Volunteer social works like creating awareness for environment
- Organizing teamwork

Projects

DRILLING FLUID'S SOLID CONTENT ESTIMATION
Research Project

Istanbul, Turkey
2024 January

- Project Name: A Machine Learning Approach to Solids Content Determination
- Project Website: <https://beesolids.streamlit.app>

SPE STUDENT PAPER CONTEST
2nd Place

Ankara, Turkey
2023 September

- Project Name: Predicting Bottomhole Temperature of Offshore Production Wells in the North Sea

UNIVERSITY LECTURE's PROJECTS

Istanbul, Turkey
2021 October - 2024 June

- Heat Transfer Project: Heat Sink Design, Calculations, and Analysis
- Petroleum Geology Project: Maturity level estimation of geologic layers and identifying possible Oil/Gas zones with their migration routes
- Reservoir Engineering Project: Basic history matching for geothermal reservoir and optimization of reservoir parameters
- Python Projects: Gas Deviation Factor Estimation, Monte-Carlo Simulation, Black Oil PVT Analytical Simulation, Pressure Transient Analysis Analytical Simulation, Volve Oil Field data analysis and future predictions
- CMG Project: Pressure build-up test for radial reservoir having one-phase fluid flow

Certification

- **International Well Control Forum Level 1 Program** 2022 August
 - Fundamental understandings of well control during the planning and operations
- **Data Scientist with Python | Data Camp** 2022 September
 - 96 Hours
 - Six projects related to the Data Analysis, Data Science, and Machine Learning
 - Three Skill Assessments concerning about Python
- **Reservoir Engineering for Operators Certificate by Combo Curve, Inc.** 2022 March
 - Forecasting wells
 - Creating probabilistic type curves
 - Constructing detailed economic models & cash flow

Skills & Interests

- **Technical:** MS Excel, Python, R, HTML, Data Visualization, Basic Machine Learning, Basic SQL, Basic CMG
- **Language:** Native in Turkish, Fluent in English, Upper Entry in German
- **Interests:** Reading books about philosophy, literature, and science, Playing flute, Bodybuilding, trekking, Content writing