

Pinar Batat Buke

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SKILLS

PROGRAMMING

Python, R, SQL, AWS

SOFTWARE /PACKAGE/ LIBRARY

Pandas, Numpy
Matplotlib, Seaborn, Plotly
SciPy, ScitLearn
Git and Github
Keras, TensorFlow
NLTK, Vader
Express, Solver, PyCharm

EDUCATION

MSC, OPERATIONS RESEARCH WITH DATA SCIENCE

UNIVERSITY OF EDINBURGH

Expected Sep 2023 | Edinburgh, UK

PHD, PHYSICS/CHEMISTRY

UNIVERSITY OF BORDEAUX

Oct 2011 | Bordeaux, FR

Thesis: Ultrafast Laser Spectroscopy Analysis

MSC, PHYSICS

HACETTEPE UNIVERSITY

June 2008 | Ankara, TR, Graz, AT

Thesis: SAXS Analysis

BS, PHYSICS

HACETTEPE UNIVERSITY

June 2006 | Ankara, TR

Graduated with Honors

CERTIFICATES

Sentiment Analysis, The University of Edinburgh, DataCamp, October 2022

Data Mining Foundation, Celonis, June 2022

R Programming for Data Science, Udemy, January 2022

Python Programming, **Machine Learning** Fundamentals, DataCamp, August 2022

Introduction to **Deep Learning**, DataCamp, August 2022

SQL and Data Analytics, Code Division, August 2021

Short Course, **Data Science in Stratified Healthcare and Precision Medicine**, The University of Edinburgh, June 2021

EXPERIENCE

DATA SCIENCE INTERN | FREEAGENT

Jan 2023 – Current | Edinburgh, UK

- Evaluated and improved existing machine learning models to solve business problems.
- Trained models using AWS Sagemaker and deployed models.
- Day-to-day experience using Git and other Shell tools

ANALYST | EUROFINS BPT UK

Dec 2017 – May 2021 | Livingston, UK

- **QC - Laboratory Scientist**
- **QA - Material Quality Controller**
 - Provide full analytical testing in accordance with cGMP.
 - Subject Matter Expert on spectroscopy and microscopy. Provide training to new staff, method development for new products.

VISITING SCHOLAR | HERRIOT-WATT UNIVERSITY

Oct 2013 – May 2015 | Edinburgh, UK

- Conducted computational chemistry research on designing materials for cancer treatment and incorporated this into research grant proposals. Obtained grants were used for the continuation of the research.

POSTDOCTORAL RESEARCH ASSOCIATE | UNIVERSITY OF KOC

Jan 2012 – Sep 2013 | Istanbul, TR

- Led research team on various projects as principal investigator. This role included time/budget/resource management duties.
- Activated X-ray scattering and diffraction system, Langmuir-Blodgett set-up, and modified spectrophotometer to a polarized absorption spectrometer.
- Authored 4 journal articles and 2 grant proposals, gave 3 seminars and 4 talks.

AWARDS

- The Postgraduate Scholar Scholarship, The University of Edinburgh, Edinburgh, 2021-2023
- Postdoctoral Scholarship, Scientific Research Council, Turkey 2012 – 2014
- French Minister of Education Scholarship for PhD Program, 2008 – 2011
- Young Scientist and **Best Poster Presentation** Award– Design and Synthesis of Supramolecular Architectures, Russia 2009
- Supporting grant, General Assembly of The Int. Union of Crystallography, Osaka, Japan 2008
- Supporting grant for ICMR Summer School on Polymeric and Self Assembled Gels University of California, Santa Barbara, USA 2007

VOLUNTEER EXPERIENCE

- Data Manager, Storehouse, Penicuik
- **PyData- Reviewer**
- Science Teacher at LOSEV (Foundation for Children with Leukaemia)
- Interpreter at HOME LINK for Turkish families

ACADEMIC CONTRIBUTIONS

- 17 publications
- 12 oral presentations
- 5 seminars
- 8 poster sessions