Tansel Arif

Oxfordshire, U.K. ⊠ tansel.arif@live.co.uk

" www.linkedin.com/in/tansel-arif-86264492

• www.github.com/TanselArif-21

Skills

Programming SQL/T-SQL, Python, Git

Other Pandas, Numpy, Scikit-Learn

General Statistics, Machine Learning, Strong ad hoc problem solving

Experience

Dec 2020 - Unilever - Senior Data Science and Analytics Manager, UK.

Present Responsibilities:

- Leading the HR analytics team as a lead data scientist
- Mentoring data scientists across the organisation
- Leveraging key technical resources across the company along with the tools available to deliver vital solutions to time sensitive problems (such as the covid response)
- Enhancing the visibility and value our work brings to senior leadership by identifying strategic opportunities

Mar 2019 - Unilever - Data Science and Analytics Manager, UK.

Dec 2020 Responsibilities:

- Identifying areas of key interests to stakeholders across the organisation, translating to a structured goals and outcomes oriented sprint and leading the data science team to deliver insights.
- Developing end-to-end Machine Learning solutions.
- Ensuring members of the team have the support, guidance and direction they need to accomplish their goals.
- Supporting the recruitment process from a statistical perspective, ensuring it is bias-free, efficient and cost effective.
- Training and up-skilling the team in areas such as Data Science, Python, SQL and Git.

Jun 2018 – **Thought Provoking Consulting - Quantitative Consultant, Data Scientist**, UK. Aug 2018 Responsibilities:

- Inference methods (Bayesian) R.
- EDA and machine learning (Linear Regression, NLP) Python.
- Implementing optimisation algorithms (algorithms developed to optimise a target indicator) C#.
- Creating and maintaining proper source control, deployment and maintenance of code for in-house tools.

Dec 2017 - FIS (SunGard) - Quantitative Consultant, UK.

May 2018 Responsibilities:

- Specification and implementation of mathematical models using C# for the efficient pricing of complex financial products, for the evolution of future market and credit events and for the calibration of risk models.
- Verifying that new and existing models are correct and appropriate.
- Providing client support on questions related to software behaviour.
- Project management in times of scarce resources.

Sep 2015 - FIS (SunGard) - Consultant, Risk and Compliance, UK.

- Dec 2017 Previously SunGard Financial Systems. A vendor providing solutions to financial corporations in terms of risk and exposure management and financial regulatory compliance. Responsibilities:
 - Maintenance, optimisation and troubleshooting of test farms / servers / databases which clients use for test cases for product development using Delphi and T-SQL (Microsoft SQL Server).
 - Finding and carrying out optimisations and fixes to these environments
 - Implementing code changes (Pascal/C#) to improve or fix issues in calculation methodology/equations
 - Customisation of the user facing web code to suit the needs and requirements of users (Javascript/C#)
 - Coding and producing independent support utilities to improve client satisfaction

Academia

2011 – 2015 Imperial College London, PhD. Materials Science and Engineering, UK.

- The focus during my PhD research has been on the development of theory and code (C++) for the phase-field modelling and simulation of microstructures found in steel [1,2] as well as the formation of van der Waals fluids using the smoothed particle hydrodynamics method.
- Given my interest in the prediction of general evolutionary phenomena, I have collaborated on cellular automata treatment for solidification [3].
- My final results involve the development of tools to combine the capabilities of multiple models to deal with situations involving fluid flow, solidification and solid-state phase transformations.
- 2009 2010 Queen Mary University of London, MSci. (1st Class Hons) Mathematics, UK.
- 2006 2009 Queen Mary University of London, BSc. (1st Class Hons) Mathematics, UK.

Training

February 2020	Structuring	Machine	Learning	Projects	[Coursera-Cert	tificatel

January 2020 Improving Deep Neural Networks [Coursera-Certificate]

January 2020 Neural Networks and Deep Learning [Coursera-Certificate]

December 2019 Machine Learning[Coursera-Certificate]

December 2018 Bayesian Statistics [Coursera-Certificate]

August 2017 Inferential Statistics [Coursera-Certificate]

Awards

- June 2012 National Student Conference in Metallic Materials Awarded best presentation prize for the presentation of PhD project. [DepartmentLetters.pdf]
- July 2009 Queen Mary University of London Awarded the Westfield Trust Prize for outstanding academic achievement, [Awards.pdf]
- May 2006 QCA Lewisham College Gym, Exercise and Fitness Knowledge instructor.
- July 2005 Lewisham College Awarded enrichment certificate in peer mentoring.

Speaking

- June 2014 Imperial summer seminar series Talk "A fundamental problem in computational steels processing".
- December 2013 International Conference on Processing & Manufacturing of Advanced Materials Poster "A phase-field model for the formation of martensite and bainite" [ThermecProgramme.pdf]

June 2012 National Student Conference in Metallic Materials - Talk "A phase-field model for martensite".

Publications (ACADEMIA.EDU)

- [1] T. T. Arif and R. S. Qin: A phase-field model for bainitic transformation, Computational Materials Science 77 (2013) 230, [doi:10.1016/j.commatsci.2013.04.044].
- [2] T. T. Arif and R. S. Qin, A phase-field Model for the Formation of Martensite and Bainite, Advanced Materials Research 922 (2014) 31, [doi:10.4028/www.scientific.net/AMR.922.31].
- [3] Y. Zhao, D. Chen, M. Long, T. Arif and R. Qin, A three dimensional cellular automata model for dendrite growth with various crystallographic orientations during solidification, Metallurgical and Materials Transactions B 45 (2014) 719, [doi:10.4028/www.scientific.net/AMR.922.31].