Rashid Bakirov

Data scientist, software developer and researcher with 10 years experience in industry and academia.

🏠 https://www.rashidbakirov.com ✉ b.rashid@gmail.com

SKILLS

MACHINE LEARNING
Classification
Regression
Clustering
Stream learning
Image recognition / Object detection
Deep Neural Networks
TensorFlow
Anomaly detection
Reinforcement learning
Data visualisation

PROGRAMMING
Python (numpy, pandas, matplotlib, seaborn, scikit-learn, scipy, TensorFlow)
Matlab
Java
SQL
R
C/C++
C#

SOFTWARE
Spark and Hadoop
Oracle Data Mining
Weka
Git and Github
Microsoft SQL Server
MongoDB
Agile development

LANGUAGES

English
German
Russian
Azerbaijani

PROFESSIONAL

MEMBERSHIPS
International Neural Network Society
British Computing Society
Fellow of Higher Education Academy

REVIEWER
IEEE Transactions on Neural Networks and Learning Systems
Neural Computing and Applications journal
WWW and IJCNN conferences

EDUCATION

BOURNEMOUTH UNIVERSITY | PhD in Mahcine Learning
Apr 2012 – Jan 2017 | Poole, UK
- Thesis: "Multiple Adaptive Mechanisms for Predictive Models on Streaming Data".
- Research in adaptive predictive models for non-stationary data streams with the consideration of temporal aspects.
- Developing a novel adaptive local ensemble method for regression, using linear predictors, Bayesian combination, forgetting and on-line update.
- General analysis of adaptive models, ranging from high level complex adaptive systems to specific machine learning algorithms.

UNIVERSITY OF SIEGEN | Dipl.-Inf. (BSc+MSc) in Computer Science and Electrical Engineering
Oct 2004 – Dec 2009 | Siegen, Germany

EXPERIENCE

BOURNEMOUTH UNIVERSITY | Lecturer in Computing
Since Sept 2017 | Poole, UK
- Program Leader for BSc Hons Data Science and Analytics; coordinating modules, providing leadership and support to the academics and the students.
- Module leader for Data and Databases (BSc) Data Management, Advanced Data Management, Data Processing and Analytics (all MSc); designing courses and assessment, giving lectures, coordinating unit teams.
- Supervision of PhD, MRes, MSc and BSc projects.
- Research into adaptive machine learning, object recognition and applications of ML in sports and culture.
- Bids for internal and external research funding as Principal and Co-investigator. Summarily awarded £180,000.

BOURNEMOUTH UNIVERSITY | Research Assistant
Oct 2015 - Jun 2017 | Poole, UK
- Design of DigTrace, the software for the creation and analysis of 3D footprint images using Python. Leading the development of DigTrace.
- Contribution to the resulting publication.

BOURNEMOUTH UNIVERSITY | Software Developer
Oct 2015 - Jun 2017 | Wroclaw, Poland
- Implementing adaptive stream learning algorithms for INFER predictive software using Java and Eclipse Modeling Framework.
- Participation in the Agile development process, with daily SCRUM meetings and usage of JIRA for tasks and bugs.

PRICEWATERHOUSECOOPERS | Consultant
Apr 2011 – Mar 2012 | Stuttgart, Germany
- Insurance fraud and inconsistencies detection using SQL, Excel and R.
- Analysis of customers' financial data using SAP and Excel and reporting.

UNIVERSITY OF SIEGEN | Research Assistant
Jun 2010 – May 2011 | Siegen, Germany
- Developing various image processing software using LabView and C/C++.
- Presenting results to internal and external stakeholders.