

Alexandre Bogdanov

datascienceportfol.io/alexandresbogdanov/+44(0)7938824596 |
alexandre.s.bogdanov@gmail.com

LINKS

Portfolio:// datascienceportfol.io
Linkedin:// [alexbogdanov](https://www.linkedin.com/in/alexbogdanov)
Github:// [anarion-commits](https://github.com/anarion-commits)

EDUCATION

UNIVERSITY OF WARWICK

MMATHPHYS IN MATHEMATICS AND PHYSICS

Grad. Jul. 2019 | Coventry, UK
First class honours

KING'S NORTON BOYS' SCHOOL

Grad. Jul. 2013 | Birmingham, UK
A*A*AB(A)

Mathematics, Further Mathematics
(self-studied), Biology, Physics,
Chemistry, (General Studies)

COURSES

Bayesian Statistics: From Concept to Data
Analysis (Coursera, University of
California, Santa Cruz)

IBM Data Science Professional Certificate
(Coursera, ibm.com)

Learn SQL (Codecademy)

SQL: Table Transformation (Codecademy)

SKILLS

PROGRAMMING

Very familiar: Python • Git/GitHub
Matlab

Familiar: C • Spark • SQL • HTML
CSS • \LaTeX

PLATFORMS

Google Cloud Platform • Domino

AWARDS

Howard Stockley award - awarded by 6th
Form for the best academic results of the
year

Gold CREST award - obtained as part of
the Engineering Education Scheme

INTERESTS

Powerlifting • Bodybuilding • Reading •
Chess • Tennis

EXPERIENCE

LLOYDS BANKING GROUP (IN PARTNERSHIP WITH KUBRICK GROUP) | DATA SCIENTIST

Jan 2021 - Present | London, UK

- Developed & assisted in productionisation of pricing model that predicts customer demand for personal loan products.
- Leveraged knowledge of Agile Framework to deliver fortnightly value-driving updates to stakeholders on progress in model experimentation.
- Co-lead the statistics guild, regularly giving talks on interesting statistical concepts in order to foster a more statistics-oriented culture within the department and bank as a whole.
- Led a team in a company hackathon that 'nowcasted' how many people in New York will be cycling on any given day. This analysis was consequently used for scenario analysis, based on potential climate outcomes.
- Tech used: scikit-learn, scipy, numpy, pandas, Vertex AI, BigQuery, Jenkins, git, Pycharm, SQL, Python.

KUBRICK GROUP | MACHINE LEARNING ENGINEER

Sep 2020 - Present | London, UK

- Underwent an intense 15-week training at Kubrick Group, during which I gained knowledge and real-world experience with applying rigorous statistical data analysis and machine learning to diverse datasets ranging from unstructured text to large volumes of transactional data. To complement my data science skills, I was also provided with a foundation in relevant data technologies to build solutions.
- Conducted sentiment analysis of listed companies' financial statements to predict subsequent stock performance.
- Developed a Random Forest model to predict customer churn in a hypothetical bank.
- Tech used: Python, scikit-learn, numpy, pandas, pytorch, flask, AWS, Docker, Spark, spaCy, SQL.

MERKLE | FINANCE EXECUTIVE

Sep. 2019 - Sep. 2020 | London, UK

- Had full management of the accounts receivable process, including billing and collections.
- Automated parts of the invoicing process through Python, resulting in time efficiency savings of ~30%.
- Provided key support with the management of the yearly statutory audit.
- Tech used: Python, NetSuite, Salesforce.

UNIVERSITY OF WARWICK | MASTERS' RESEARCH

Sep. 2018 - Jul. 2019 | Coventry, UK

- Used the autocorrelation function to analyse the degree of self-similarity of light curves from 450 K- and M- dwarf stars.
- Estimated the ages of these stars using extracted rotation periods.
- Automated the verification of periods extracted using the autocorrelation function.
- My research showed that the development of magnetic activity cycles for K- and M- dwarfs is in line with what is predicted in modern dynamo theory.
- Tech used: Python, numpy, scipy, pandas, matplotlib.