

Alexander R. F. Amari

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Education

UNIVERSITY OF OXFORD

MSc, Social Data Science

Distinction

Oxford, UK
Oct. 2018 – Nov. 2019

RICE UNIVERSITY

BA, Philosophy, Politics, and Economics, Minor: Statistics. GPA: 4.05. SAT: 2340. GRE: 330

Phi Beta Kappa, Magna Cum Laude

Houston, TX
May 2018

Experience

IBM

Data Scientist, Data and AI Learning

Austin, TX
April 2020 – Present

- Leading development of forthcoming course series on Natural Language Processing and Conversational AI with IBM Watson Assistant and Watson Discovery
- Produced and delivered video lectures, code bases, and assessment materials as co-instructor for 12 IBM-Coursera courses on Data Science, Machine Learning, and AI applications for business with 4.8/5 average reviewer score across ~14,000 learners
- Led refinements and upkeep on IBM Watson Discovery learning materials, including product overviews and demos for presentation to 10+ IBM partners and clients

DELOITTE

Analytics Specialist, Risk Advisory

London, UK
June 2019 – Sep. 2019

- Evaluated machine learning approaches to anomaly detection platform for applications in regulatory compliance and financial fraud prevention in corporate and institutional settings
- Developed deep learning framework for outlier detection using Keras and TensorFlow, outperforming all existing algorithms in firm's proprietary anomaly detection platform

ODSC (OPEN DATA SCIENCE CONFERENCE)

Data Science Writer

Boston, MA
April 2018 – Sep. 2018

- Published ~30 review, analysis, and opinion pieces on business, data science, machine learning, and ODSC conferences for opendatascience.com, accumulating 1.1 million+ total page hits
- Authored all-time top-performing article on opendatascience.com, "Why NLP is a Great First AI Solution for Business," (June 19, 2018) with > 200,000 reads
- Published additional articles on technology, policy, and business for Forbes, Huffington Post, The Hill, and other platforms (full list of publications at alexamari.com/writing)

SPARKCOGNITION

Product Marketing Intern

Austin, TX
June 2018 – Aug. 2018

- Led analytics project and A/B testing with data from Salesforce Pardot in response to decreased email open rates, leading to change in email campaign strategy and ~15% increase in overall click-through rates
- Liaised with product management and engineering teams to author client-facing collateral, including articles and white papers for industrial predictive maintenance platform, SparkPredict, boosting online conversion rates by ~32% by end of internship

RICE CENTER FOR ACADEMIC AND PROFESSIONAL COMMUNICATION

Communications Consultant/Coach

Houston, TX
Sep. 2015 – May 2018

- Coached ~300 undergraduate, graduate, and postgraduate students in one-on-one and group sessions for academic, extracurricular, and professional projects
- Selected as lead consultant for 3 graduate-level engineering teams, helping students convey technical subjects to nonscientific audiences as part of grant proposals and conference presentations
- Hired as first-ever undergraduate student to lead public speaking seminars at Rice's Jones Graduate School of Business for professional MBA students

PROJECT 120

President and Co-Founder

Houston, TX
Aug. 2015 – May. 2018

- Founded and led 501(c)(3) nonprofit with 6-8 student members offering pro bono media services to Houston-area charitable, educational, and cultural organizations
- Established partnerships with Houston Food Bank, AIDS Foundation Houston, BakerRipley, and other major organizations to provide photography, videography, and graphic design in 80+ engagements over 3 years

Technical Skills

- Data analysis (Python, R, pandas, dplyr)
- Databases (basic SQL)
- Salesforce Pardot
- Machine learning (sklearn, TensorFlow, Keras)
- Visualization (Matplotlib, seaborn, ggplot2)
- Photo/Video (Photoshop, Lightroom, iMovie)