

ARIK PARAN

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PROFILE

- 20 years of experience in algorithmic R&D, both in industry and academia, specializing in machine learning
- Various analytics leadership and mentorship positions across a range of industries
- Leading all steps of delivering algorithmic solutions: identify needs, architect solutions, execute algorithmic R&D, and support the development and deployment teams
- In-depth understanding of practice and theory of various analytics disciplines including Statistical Learning, Bayesian Inference, Deep Learning and Optimization

EXPERIENCE AND EDUCATION

- 2018 - **Principal • ALGORITAM**
- Outsourcing Data Science and ML projects including research, design and implementation
 - Consulting company leadership on leveraging data using advanced analytics
 - Hands-on training for data science practitioners in ML techniques and tools
- 2014-2018 **Director of Analytics Research • CYBERARK**
- Working with senior management on identifying analytics-based innovative directions
 - Working with product management on requirements and with R&D teams on implementation
 - Leading the execution of ML/AI algorithmic research, including
 - User and Entity Behavior Analytics for anomaly detection and risk assesment
 - File analysis for malware detection and classification
- 2012-2014 **Machine Learning Lead • C4 SECURITY (acquired by ELBIT)**
- Leading the execution of ML/AI algorithmic research
 - Dynamic and static file analysis for malware detection and classification
- 2009-2012 **Principal Engineer of an Aerial Defense System • ISRAEL AEROSPACE INDUSTRIES**
- An algorithmically intensive, big multidisciplinary system-of-systems
 - Autonomous risk assessment and decision-making algorithms in highly uncertain environments
- 2005-2009 **PhD in Machine Learning • UNIVERSITY OF CAMBRIDGE, UK**
- Probabilistic modelling, Bayesian Inference and decision making
 - Machine learning, pattern recognition and data visualization
- 2002-2004 **MSc in Electrical Engineering • TECHNION - ISRAEL INSTITUTE OF TECHNOLOGY**
- Machine learning, statistical learning theory
 - Optimization, signal and image processing, time series analysis
- 2000-2002 **Algorithms Engineer • WAVION**
- Implementing various wireless communication algorithms
 - Responsible for operations research and system performance evaluation
- 1996-2000 **BSc in Electrical Engineering • TEL-AVIV UNIVERSITY**
- Specialization tracks: digital signal processing, digital communication, software engineering