

Dimitrios Athanasakis

dathanasakis@gotbim.com
(+44) 7791 889 189

SUMMARY Building tools that provide insight into large volumes of complex data since 2005.

EXPERIENCE **Machine Learning Researcher** **2019-2021**
Brave Software Europe Ltd

- Supervised and performed research on privacy preserving machine learning systems.
- Designed & orchestrated data collection and annotation efforts.
- Designed & implemented machine learning pipelines on a number of projects across the company including nlp, personalization, advertising, and fraud detection.

Machine Learning Engineer **2018-2019**
Synthace Ltd, London, UK

- Produced machine learning prototypes including image processing, and optimization.
- Created distributed training pipelines for deep learning models with horovod.
- Produced visualization dashboards.

Machine Learning Architect **2017-2018**
Commerzbank / Data Spartan, London, UK

- Designed and implemented a number of machine learning systems for the bond markets, including abnormal volume prediction and recommendation engines.
- Lead the migration of a number of services to google cloud platform.
- Championed the use of a range of python tools for machine learning projects.

Lead Engineer **2015-2017**
Scentrics, London, UK

- Designed & developed backend microservices and testing tools in Java & Go.
- Migrated services to containerized deployments with Docker & Kubernetes.
- Designed & implemented machine learning prototypes.

Postdoctoral Researcher **2014-2015**
Department of Computer Science, UCL, London, UK

Software Engineer **2014-2015**
Bet Trade Ltd, London, UK

Postdoctoral Researcher **2013-2014**
Machine Learning and Neuroimaging Lab, UCL, London, UK

Computational Statistician **2012-2013**
Storegene Initiative, London, UK

Research Scientist **2007-2013**
Division of Parasitology, National Institute for Medical Research, London, UK

EDUCATION **Doctorate of Engineering** **2009-2014**
University College London (UCL), Department of Computer Science.
Thesis: Non-Linear Feature Selection in Biomarker Discovery
Advisors: Prof. John Shawe-Taylor, Dr Delmiro Fernandez-Reyes

Master of Science in Intelligent Systems **2005-2006**
University College London (UCL), Department of Computer Science.

Bachelor of Science in Computer Science **2002-2005**
Royal Holloway, University of London (RHUL), Department of Computer Science

COMPUTER SKILLS *Languages & Software:* Python, Matlab, Go, C++, Java, SQL, MongoDB, RethinkDB, Cassandra, Redis, RabbitMQ, HTML, Latex, Django, Git, Docker, Kubernetes
Operating Systems: Linux, Unix.

PUBLICATIONS & Workshops *Privacy-Preserving Bandits* Mohammad Malekzadeh, Dimitrios Athanasakis, Hamed Haddadi, and Benjamin Livshits Conference on Machine Learning and Systems (MLSys), 2020

Sleep Staging with Deep Learning: A convolutional model, Isaac Fernández-Varela, Dimitrios Athanasakis, Samuel Parsons, Elena Hernández-Pereira, Vicente Moret-Bonillo, European Symposium on Artificial Neural Networks, Computational Intelligence and Machine Learning, 2018

Learning Non-Linear Feature Maps, Dimitrios Athanasakis, John Shawe-Taylor, Delmiro Fernandez-Reyes, International Conference on Learning Representations, 2014

Challenges in Representation Learning: A report on three machine learning contests, Goodfellow, Ian J. et al., Proceedings of The 20th International Conference on Neural Information Processing. 2013

Severe childhood malaria syndromes defined by plasma proteome profiles., Burt, F. et al., PLoS One. 2012

Discriminating active from latent tuberculosis in patients presenting to community clinics., Sandhu G, Battaglia F, Ely BK, Athanasakis D, Montoya R, Valencia T, Gilman RH, Evans CA, Friedland JS, Fernandez-Reyes D, Agranoff DD. PLoS One. 2012

Global transcriptional analysis of primitive thymocytes reveals accelerated dynamics of T cell specification in fetal stages., Belyaev NN, Bir J, Athanasakis D, Fernandez-Reyes D, Potocnik AJ., Immunogenetics. 2012