

Alexander Lattas



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Statistics and Machine Learning



Deep Learning Algorithms Experience



Data Mining, ETL and Visualization



Object-Oriented Programming



Technical Consulting Experience



Experience in Entrepreneurship

Education

Imperial College London | MSc in Advanced Computing | 2017-2018

Thesis | High Resolution 3D Face Generation with Generative Adversarial Networks (Technologies: Tensorflow, PyTorch, Graphics)

Modules | Advanced Statistical Machine Learning, Deep Learning, Reinforcement Learning, Pattern Recognition, Computational Finance

Athens University of Economics and Business | BSc Management Science and Technology | 2013-2017 | Grade: 9.35 (2%)

Modules | Software Engineering, Algorithms, Statistics, Databases, Business Analytics, Website Architecture, IT Systems Design

University College London | School of Management (Affiliate Student) | 2015 - 2016 | Grade: 70%

Modules | Innovation Management, Project Management, Corporate Financial Strategy, Digital Marketing, Organizational Psychology

Technical Competencies

Established Skills | Python [4y], Java [3y], SQL [2y], UNIX [2y], Tensorflow [1y], scikit-learn & pandas [1y]

Other Skills | Data Visualization (Tableau, matplotlib, Photoshop), Hadoop, Data Mining & Warehousing, C++

Projects

Comparison of Generative Adversarial Network Models for Image Generation | Imperial College London

Qualitative and quantitative Generative Adversarial Network (GAN) models comparison on various datasets (gan.lattas.eu)

Technologies: Python, Tensorflow, PyTorch, Linux

Python and C++ Contribution to TensorFlow | Google Brain Team

Contribution to the core Tensorflow library on Queue structures. Resulted in a Honorary Distinction during BSc. (#10175)

Technologies: C++, Python, Tensorflow, git, TravisCI, bazel, Linux

Cloud Access Security Broker (CASB) Mentor | Oracle

Designed practical tutorials and business cases for Oracle's Machine Learning powered cloud security platform and presented them to consultants and high-ranking consulting, security and sales managers in EMEA. (cloud.oracle.com)

DBA Stack Exchange Data Mining and Visualization | Athens University of Economics and Business

Data mining, feature extraction, analysis and visualization of the DBA Stack Exchange developer for insights. (github.com)

Technologies: SQL, Data Warehouse (ETL), OLAP, Hadoop, Java, Python, Tableau, RegEx

Publications

Lattas, A. and Spinellis, D. (2018). Echoes from Space: Grouping Commands with Large-Scale Telemetry Data. International Conference on Software Engineering, (40th).
Evaluation of ML, heuristic, and naive optimization GUI command grouping methods using big telemetry data. (efs.lattas.eu)

Work Experience

Software Engineering Research Associate | Business Analytics Lab | July 2016 - Present

Undertaken three projects, under the guidance of Prof. D. Spinellis. Subjects: memory forensics, data-driven history of UNIX security and data-driven software engineering (paper accepted, ICSE 2018). (balab.aueb.gr)
Technologies: Python, scikit-learn, custom UNIX Kernels, C, memory maps, git

Technical Consultant Intern | Oracle | March 2017 – May 2017

Customised Oracle Access Manager for three customers by creating Java plug-ins, Servlets and branded pages Designed practical tutorials and business cases for Oracle's Machine Learning powered cloud security platform and presented them to consultants and high-ranking consulting, security and sales managers in EMEA. (oracle.com)
Technologies: Java, JSP, UNIX, AWS, Cloud Security

Co-founder, International Coordinator | Junior Achievement Alumni Greece | June 2013 – February 2017

Entrepreneurship network with more than 200 members and now golden member among numerous European entrepreneurship networks. Co-founded it and started as Project Manager, organising more than 10 seminars, networking events and contests. Since 2015, responsible for our brand image and international events. (ja-alumni.eu/network)

Econometrics Research Intern | KEPE (Centre of Planning and Economic Research) | August 2014 – February 2015

KEPE is a leading economics research institute in Greece. Participated in an econometrics mapping of the Greek retail market and detected statistical anomalies on olive oil retail pricing, while working with the Greek Competition Commission. (kepe.gr)

Achievements

Postgraduate Scholarship 2017-2018 | Hellenic Petroleum

Postgraduate scholarship of £24.000, for studies in Advanced Computing at Imperial College London (1 out of 7 total).

Social Impact Award 2014 | Impact Hub Athens

With Blood-e, a novel platform facilitating blood donation by linking donors to those in need (1 out of 3 total). (bloode.org)

5 Honorary Distinctions | Athens University of Economics and business

Awarded by AUEB during my Bachelor's for academic performance, entrepreneurship endeavours and exceptional projects.

Courses and Certifications

Summer School in Machine Learning for Digital English Language Teaching	University of Cambridge	2017
Machine Learning by Stanford University	Coursera	2016
Quality Software Developer Foundation Certificate in Maintainability	Software Improvement Group	2016
Software Developer: Foundation	Software Improvement Group	2016
International English Language Testing System (IELTS) 8-Band	British Council	2016

Other Interests

Graphic design, travelling, electrical guitar, theatre, history, psychology, philosophy