

EDUCATION

- 2020 – Present [Cambridge University](#); PhD in Data-centric engineering funded by [EPSRC](#).
Supervised by Professor [Mark Girolami](#).
- 2019 – 2020 Cambridge University; MRes Future Infrastructure & Built Environment funded by EPSRC.
Supervised by Professor [Mark Girolami](#).
- Courses: Probabilistic Machine Learning, Statistical Signal Analysis
- 2015 – 2018 [Warwick University](#); BSc Data Science. **1st class honours.**
- Courses: Machine Learning (73%), Mathematical Statistics A & B (79%), Linear Statistical Modelling (77%), Topics in Data Science (82%), Programming for Data Science (81%), Artificial Intelligence (72%).
- 2013 - 2015 [Anatolia College](#); International Baccalaureate. **39/45** (93rd percentile).
- Merit-based scholarship for academic excellence.
 - Physics (7/7), Mathematics (6/7), Extended essay on statistical stock price forecasting (35/36).

RESEARCH EXPERIENCE

- May 2020 - Aug. 2020 Cambridge University, [Arup](#) - **Stochastic** modelling of urban travel demand. Mark: 80%.
Dissertation supervised by Professor [Mark Girolami](#).
- Introduced a novel application of stochastic spatial interaction modelling to transportation.
 - Approximated doubly intractable posterior using pseudo-marginal MCMC schemes with annealed importance sampling.
- Oct. 2019 - Jan. 2020 Cambridge University, [Highways England](#) - **Bayesian** treatment of hydrological models for road rainfall run-off prediction. Mark: 80%.
Mini-project supervised by Professor [Mark Girolami](#).
- Developed physics-informed machine learning (hybrid) modelling framework for hydrological applications using Python.
 - Approximated posterior using Sequential Monte Carlo and computed Bayes factors to ensure model identifiability.
- Jan. - April 2018 Warwick University - **Bayesian** online change-point detection;
BSc Thesis supervised by [Dr. Theo Damoulas](#). Mark: 79%.
- Developed online framework for time series segmentation and forecasting in non-stationary spatio-temporal point processes using Python.
 - Implemented conjugate models to obtain posterior efficiently and computed Maximum A Posteriori estimates of time series segmentation.
- June - Aug. 2017 Warwick University – Large binary sequences for RNA editing;
Individual project supervised by [Dr. Anastasia Papavasiliou](#).
- Research award (1000£) by the Department of Statistics for outstanding performance in Mathematical Statistics to develop methods of summarising large binary sequences.
 - Utilised theory of rough paths to compute signatures of the paths generated from simulated binary sequences using R and Python.

TECHNICAL SKILLS

Programming	Python, R, Java
Databases	MySQL, PostGIS/PostgreSQL
Cloud	Amazon Web Services (S3, EC2), Google Cloud Platform
GIS	QGIS, Google Earth Engine API, SentinelHub API, GDAL
Miscellaneous	Git, Data Version Control, IPython, L ^A T _E X, R Shiny, Docker
Libraries	TensorFlow, Keras, PyMC3, OpenCV, sklearn, ggplot2, Shapely, rasterio
Languages	Greek (native), English (fluent)

WORK EXPERIENCE

Sep. 2018 - July 2019 <i>London, UK</i>	Cervest Ltd – Statistical Scientist; <ul style="list-style-type: none">• Research projects I led:<ul style="list-style-type: none">– Change-point detection on complex and climate-volatile data generating processes.– Sequential multinomial classification algorithms for assessing environmental resilience.– Bayesian non-parametric models for spatio-temporal sensor fusion and yield forecasting with applications to sustainability.• Designed and developed data acquisition infrastructures using Python for use by the Data Science team.• Self-taught Geographical Information Systems (GIS) and trained new recruits on QGIS.• Engaged with clients and investors and communicated statistical modelling frameworks to them.
June - Aug. 2018 <i>Athens, Greece</i>	Eurobank Private Bank Luxembourg – Investment Advisory Intern; <ul style="list-style-type: none">• Designed, developed and deployed a web application for portfolio management using R Shiny.• Derived optimal portfolios using efficient frontier. theory with diversification and volatility constraints.

LEADERSHIP ACTIVITIES

Dec. 2019 - March 2020	Cambridge University Judge Business School - Team communicator. <i>Group project for Entrepreneurship course.</i> <ul style="list-style-type: none">• Developing business case for an air pollution prediction platform and pitching it to potential investors.
Oct. 2017 - July 2018	Warwick University Department of Statistics - Mentor in Statistics. <ul style="list-style-type: none">• Mentored first-year students and provided support for their academic studies and career planning.
Oct. 2015 - July 2018	Warwick University Student-Staff Liaison Committee - Student representative. <ul style="list-style-type: none">• Liaised with students & staff to improve teaching quality and student support by collecting and discussing feedback in monthly meetings.• Assisted in the design of the course structure of the fourth-year of the Data Science degree.

HOBBIES

Travelling, puzzle solving, basketball, sailing, book reading.

References are available upon request.