ALEXANDROS FRANGOS

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EDUCATION

University College London (UCL), *MEng Computer Science - 2:1* **London, UK | Sep '17 – Jun '21**
Master's Thesis: Estimating Tissue Microstructure Using Deep Learning Techniques (First Class Honours)
Relevant modules: Supervised Learning, Data Mining & Analysis, Graphical Models, Statistical Natural Language Processing, Complex Networks and Web, Data Structures & Algorithms, Software & Systems Engineering, Financial Institutions and Markets

IMS Private School, *A Levels - A** **Limassol, Cyprus | Sep '14 – Jun '16**
GCE A Level Subjects: Mathematics (A*), Further Mathematics (A*), Physics (A*)

WORK EXPERIENCE

Franco Elevators Ltd, *Software Engineer* **Limassol, Cyprus | Nov '22 - Now**
- Successfully developed and launched the company's website, resulting in a modern and user-friendly online presence that effectively showcases the organisation's products/services and enhances customer engagement.
- Established an AWS MySQL database to effectively track and manage all the necessary information for monitoring and enhancing tracking capabilities, further improving efficiency and accuracy in maintenance operations.
- Designed and developed two web applications, catering to the specific needs of technicians and administration in the elevator maintenance industry. These applications streamlined maintenance tasks, record-keeping, stock-updating and reporting processes, resulting in improved efficiency, accuracy, and accessibility of maintenance data.
- Contributed to a dynamic route-optimisation project aimed at reducing response time and increasing client satisfaction. Leveraged data analysis techniques to optimise technician routes, resulting in significant improvements in response time and customer service quality, ultimately enhancing overall client satisfaction.

Fiverr, *Freelancer* **Limassol, Cyprus | Mar '22 - Now**
- Freelanced on Fiverr, completing over 30 projects in the areas of Data Science and Python Automations with a stellar record of 5-star reviews. Recognised as Rising Talent, handpicked by Fiverr out of thousands of sellers for exceptional potential.

Amazon, *Data Science Intern* **London, UK | July '21 - Dec '21**
- Delivered an end-to-end optimisation, speeding up a web-scraping process by a factor of 40 and making data easily accessible through Amazon's RedShift service.
- Built a comprehensive dashboard using PowerBI for showing recirculating shipments to warehouse associates
- Worked on a time-series anomaly detection model predicting the number of recirculating shipments, in order for warehouse associates to be alerted in case of emergency at any stage of the relevant pipelines.

Amazon, *Business Intelligence Intern* **Edinburgh, UK | Jun '20 - Sep '20**
- Successfully delivered an end-to-end project analysing the volumes arriving, departing and being sorted at each of Amazon's UK Sort Centres.
- Through extensive use of SQL and Amazon QuickSight, achieved the optimisation of process levels, including but not limited to the time it takes for trailers to be unloaded and discrepancies between the estimated and actual arrival times.
- An automated dashboard forecasting future volume flows was also developed, and this is now adopted by the Operations department of Amazon leading in fewer labour-hours for the Amazon's workforce.

MAJOR PROJECTS

Statistical Natural Language Processing **London, UK | Jan '21 - June '21**
- Completed an NLP project as part of a 4-member team and supervised by Facebook AI Research.
- Compared three current state of the art abstractive text summarisation models for the task of summarising WikiHow articles: Generative Adversarial Net (GAN), Sequence to Sequence (seq2sec) model with a single Attention Mechanism using Gated Recurrent Neural Network and a Sequence to Sequence model using transformers.

Information Retrieval & Data Mining **London, UK | Jan '21 - May '21**
- Developed a series of information retrieval models solving the problem of passage retrieval, similarly to how certain search engines operate by efficiently returning a ranked list of short passages relevant to a given query.
- Built upon more advanced retrieval models such as Logistic Regression, LamdaMART and Neural Networks.

Complex Networks & Web **London, UK | Sep '20 - Dec '20**
- Used data of 206 institutions and 4988 people with a PhD from a certain institution and a job at another institution, to analyse the importance that the prestige score of an institution plays in hiring graduates at other institutions, using a directed-multigraph network structure.

Applied Software Development (Great Ormond Street Hospital) **London, UK | Sep '18 - May '19**
- Participated in the Sensor Fusion project of GOSH as the leader of a three-member team, which helps to predict unsuccessful surgeries and warn medical staff about them. We utilised a network of sensors that produce timestamped data in different rooms of a hospital, for analysing them on the cloud and generating alerts in case of an abnormal situation.
- The front-end was developed using ReactJS and the back-end using Django. The communication between the front-end and the back-end is done via REST API and the entire platform is hosted on a Microsoft Azure Virtual Machine.

LANGUAGES AND SKILLS

Languages: Greek (Native), English (Fluent)
Skills: Python, SQL, PowerBI, Amazon QuickSight, GitHub, C, Java, Haskell, Javascript, AWS (Redshift, S3, Lambda, SageMaker), ReactJS, Django