LEV UDALTSOV

Machine Learning Engineer

@ lev.udaltsov@gmail.com 📞 +353-87-790-1307 📍 Limerick, Ireland
in LinkedIn ⭘ GitHub

CAREER SUMMARY

Experience in software development with a focus in Machine Learning. Proficient in Agile, Scrum, version control and Jira. Highly numerate and adapt at problem solving. Quick learner and eager to take on new challenges in a quantitative field.

EXPERIENCE

Machine Learning Engineer
Jaguar Land Rover

📅 Aug 2019 – Present 📍 Shannon, Ireland

- Researched approaches for clustering of warranty issues to reduce claim bill in ongoing project.
- Researched deep learning approaches for computer vision, and developing high performance computer vision models to be deployed in a manufacturing setting.
- Developed anomaly detection and feature and selection pipelines for calibration, enabling stakeholders to carry out feature engineering.
- Deployed ML projects in the cloud for stakeholders to use using Django, Docker and Kubernetes.
- Used in-house DAG solution to automate pipelines for processes such as image template matching and labelling for large sets of images.
- Automated data featurisation pipelines using CI/CD and Kubeflow.
- TechStack: Python, Numpy, Pandas, scikit-learn, Django, Docker, Kubeflow, Kubernetes, Keras, PyTorch, Linux.

Maths Tutor
University College Cork

📅 Nov 2015 - April 2019 📍 Cork, Ireland

- Instructing extracurricular class for Secondary School students.
- Planning lessons in detail, employing algebraic, graphical and numeric solutions to suit different learning styles.
- Topics included Geometry, Sequences and Series, Combinatorics and Number Theory
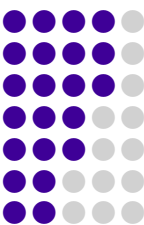
IT Helpdesk Staff
University College Cork

📅 Aug 2017 - July 2019 📍 Cork, Ireland

- Providing cordial and efficient IT Helpdesk support to UCC staf through phone and email channels.
- Troubleshooting PCs, laptops, printers, instruments and mobile devices.
- Using my organisational and communication skills for customer orientated problem solving in the workplace.

LANGUAGES AND TECHNOLOGIES

Python ●●●●●
R ●●●●●
SQL ●●●●○
Matlab ●●●○○
Linux ●●●○○
C++ ●●●○○
HTML ●●○○○

EDUCATION

BSc Financial Mathematics and Actuarial Science
University College Cork, Cork Ireland

📅 August 2015 – May 2019

- Achieved First Class Honors.
- Averaged over 70% in modules such as Mathematical Analysis, C++ Programming, Derivatives Securities and Option Pricing, Securities Analysis, Measure Theory, Computational Finance, Stochastic Analysis, Computer Intensive Statistical Analysis.

Secondary School
St. Francis College, Rochestown, Cork

📅 August 2009 📍 May 2015

- Achieved 600 out of a possible 625 points in the Leaving Certificate.

PROJECTS

American Option Pricing Based on Binomial Tree Models
Final Year Project

📅 August 2018 – March 2019

- Research project deriving, comparing, and contrasting different approaches for binomial tree models, with a focus on American Options.
- Interactive visualization tool of binomial trees constructed for different settings using models derived.
- The project consists of a research paper and accompanying Jupyter Notebooks containing visualisation tools.

ACHIEVEMENTS

🏆 **UCC Superbrain**
Won best 1st year at UCC's annual Superbrain Maths competition. Was chosen for Maths Olympiad team in 2016 and competed at Intervarsities in Maynooth.

📕 **School Academic Award**
Recipient for years 2010, 2013 and 2014.

🏆 **School Academic Award**
Received award for Mathematical Achievement at Leaving Cert level.

🏆 **College Academic Award**
Received title of College Scholar based on results in final year of study.