Marco Edward Gorelli

Education

MRes, Mathematics of Planet Earth; 2016-2017

Imperial College London & University of Reading; *Distinction*

MSc, Mathematics and Foundations of Computer Science; 2015-2016

University of Oxford; *67.6*

BSc, Mathematics with Professional Practice; 2011-2015

Brunel University London; *First Class Honours*

Experience

Data Scientist at Samsung R&D Institute UK; Nov18 - now

- Improved accuracy/interpretability/maintanability of forecasting models (*Prophet*, *statsmodels*, *Jupyter Lab*, *CircleCI*, *pre-commit*, *Google Cloud Storage*, *wily*, *SHAP*)
- Deployed end-to-end anomaly detection model including tests, automated documentation, static type-checking (*pytest*, *sphinx*, *MongoDB*, *mongomock*, *PySpark*, *AWS EMR+S3*, *Docker*, *mypy*)
- Debugged Python and C++ code, allowing for Python ML model to be reliably deployed to wearable (*Tizen Studio*, *opencv*, *sciki-learn*, *pandas*)

Data Scientist at Sedex; Jun18 - Nov18

- Produced interactive dashboards and performed analytics on survey data (*Tableau*, *PostgreSQL*)

Data Scientist at Sensium; Jan18 - May18

- Rewrote internal visualisation/reporting tool from Matlab to Python (*PyQt*, *reportlab*, *matplotlib*)

Risk Analyst Intern at General Electric Capital International; Jun13 - Jun14

Open source (pandas)

- Maintainer (member of pandas-dev/pandas-triage team): issue triage and pull request reviews
- Added new method `DataFrame.to_markdown` (#30350), plus other enhancements
- Fixed bugs in `groupby.apply` (#31456), `groupby.agg` (#32040), `groupby.nunique` (#32175), `explode` (#28010), `Categorical` (#28300, #32079, #27932), and more - to view one of these on GitHub, visit e.g. `https://github.com/pandas-dev/pandas/pull/30350`

Other

- Passed “Advanced Software Engineering Test (C++)” at Samsung (£500 reward)
- During BSc: Foster Award for “exceptional mathematical ability”, Level2 Award for highest grades
- Kaggle: 2019 Data Science Bowl: top 11% (time series, tabular data, *LightGBM*); Google QUEST Q&A Labeling: top 13% (NLP, *tensorflow*, *keras*, *BERT*)
- Coursera: “Deep Learning Specialization”, “Applied Data Science with Python Specialization”
- PyData London Meetup assistant organiser

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