

Seung Hyun Sung

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Blog: https://modelbakery-academic.netlify.app

GitHub: github.com/modelbakery

EDUCATION & AWARDS

Warwick University

Master of Sciences in Polymer Chemistry

09.2017 ~ 10.2019

- GPA: 4.0/4.0 | Distinction (top 10% of class): Master's thesis on *Statistical analysis on reactivity ratio of drag reducing agent on improving oil-pipeline turbulent flow* accepted with an "excellent" rating; conducted at BonLab under Professor Stefan Bon
- Awarded *Chemistry Oversea Taught Masters Scholarships* funded by the institution (£4000)
- Awarded Annual Education Studies Postgraduate Research Conference
- Conducted three-month university lab internship involving structural statistical analysis on sub-nanometer sized materials from X-ray diffracted data and the report write-up
- Volunteered to work with two PhDs from the WMG engineering facility to build an oil capillary rheology meter to serve mutual benefit among my colleagues at the BonLab

Sheffield University

Bachelor of Sciences in Chemistry

09.2014 ~ 06.2017

- GPA: 3.5/4.0 | Upper second class
- Breaking Boundary Program (ranked #5): artificial limbs research proposals amongst students from various scientific disciplines.

Online Analytic Certificate

eCornell University: Online Machine Learning Professional Certificate in Python

03.2022 ~ TBD

Business Science (non-): Data Science for Business with R, High-Performance Time Series Forecasting

06.2021 ~ 02.2022

WORK EXPERIENCE

Discord Community Moderator | Antonym (Phygital Art Toy Start-up)

03.2022 ~ 06.2022

- Led discord active engagement by bridging between community managers and NFT investors: prioritised investors' pain and needs over 2000 voices daily
- Designed a simple leading investor scoreboard to resolve a fair share of community voting power by conducting quantitative benchmarking of NFT owned distribution
- Progressed AMA meetings, twitter spaces and community events

Combat Reconnaissance Patrol & Radioman | ROK Marine Corps 1st Reconnaissance Battalion

- Top 1% Marine Corp enlisted | Completed 9-weeks of Recon Training acquiring high-level of mental and physical capabilities
- Volunteered as interpreter during ROKMC/USMC combined KMEP winter tactical training
- Crafted Promotional Video on ROK Marine Corps Reconnaissance.

ANALYTIC Skills

- Passionate R User** focus oriented in business insight translator with techniques in: Tidymodels & Caret (i.e. ML), Tidy Eval (reproducible code workflow & customize ggplot2), git & GitHub integration, Python integration (e.g. Time Series Forecasting automation), reproducible reports in PPT.
- Personal "modelbakery" Blog:** "Actionable RFM Customer Segmentation Strategy", "Interpretable H2O.ai & Lime Use-Case on IBM Telecom Customer Churn Prediction", "Loan Default Prediction and Credit Rating- Lending Club Use-Case".
- Financial Modelling:** Highly efficient Excel and PowerPoint user
- Kaggle Competition:** House Price Prediction: "EDA + Advanced Regression Technique".
- Daegu Digital Industry Promotion Agency** – Big Data Analytic contest (public data) award; title: "Strategic Phase in for *Dalsung* Urban Demand-Responsive Transport System" with KT floating population & Daegu Bank credit card data.

EXTRA INFORMATION

- [1] Outreach at Oxford University lecture tour as a member of UK Young, Gifted & Talented Program
- [2] The Duke of Edinburgh Award - Gold (18 months of volunteer academic tutoring, expedition, skills, Residential disciplinary achieve) | National Council for Voluntary Youth Services (NCVYS)
- [3] Sheffield Fund Raising & Giving Society – 'Bummit':
- [3] Member of Wine & Anchor Sailing Club – Dinghy Sailing participant