

CONTACT ME



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SKILLS SUMMARY

- Programming (Python, R)
- Machine Learning (Pytorch, Scikit-learn, Tensorflow) & Neural Networks
- Data Augmentation
- Text Data Preprocessing (Regex etc.)
- Tokenization & Embeddings
- Unit Testing
- GitHub Version Control
- Cloud Computing (AWS, Azure)
- Data Visualisation
- Agile Software Development (Certified PSM1 Scrum Master)
- Scientific Writing

PUBLICATIONS/POSTERS

- Benitez, D.P. et al. Mol Neurodegeneration 16, 47 (2021). <https://doi.org/10.1186/s13024-021-00457-0>
- Poster Presenter at ARUK Conference 2018, Westminster.

REFERENCES

- Prof. Joe Standing, Primary Supervisor, j.standing@ucl.ac.uk
- Dr. Flank Klopogge, Subsidiary Supervisor, f.klopogge@ucl.ac.uk
- Dr. Watjana Lilaonitkul, Subsidiary Supervisor, watjana.lilaonitkul.16@ucl.ac.uk

INTERESTS

- **Healthcare Technology-** Follow closely new developments in this field. Attended the UCL MedTech conference 2019 & 2020 & 2021 and the RE-WORK AI Assistant Summit 2019. UCL MedTech Society Portal Editor from 2020-2021.
- **Sports and Outdoor Activities-** I enjoy Running, Yoga, Cycling, Bouldering, Hiking, Skiing and Scuba Diving (Qualified PADI Open Water Diver).
- **Food-** I enjoy being creative and learning new cuisines and techniques, I love making my own pasta and sushi!

VICTORIA SMITH

PHD STUDENT IN AI ENABLED HEALTHCARE SYSTEMS @UCL

PERSONAL PROFILE

AI-Enabled Healthcare PhD Student with experience working with unstructured text data, Natural Language Processing and Machine Learning. I am passionate about improving health outcomes through Data Science. I'm inquisitive and eager to up-skill through continuous learning and developing myself.

EDUCATION

PhD Student on AI-Enabled Healthcare Systems CDT

University College London | Sept 2021-Current

- Research Project focus on predicting Pharmacokinetic Drug-Drug Interactions in Paediatric Populations with Machine Learning and Natural Language Processing Methods.
- Extracted data from Biomedical Literature using rule-based and statistical Text Mining approaches.

PGCert in Statistical Data Science

Birkbeck University | Sept 2021- Current

- Calculus and Statistical training to give strong foundations in Data Science.

MRes AI-Enabled Healthcare Systems

University College London | 2020-2021

- Research Project focused on information extraction from tables in Pharmacokinetic Literature with NLP and building a multi-label classification Pipeline for Pharmacokinetic tables in the literature using a CNN. Developed skills in imbalanced data methods.
- Modules covering software development with python and machine learning for health data science, EHRs and Pharmacometric modelling.

MSci Neuroscience

University College London | 2014-2018 | First Class

- Strong background in clinical neuroscience. Research Project on Synapse Loss in Alzheimer's Disease. Developed good understanding of biomedical research, data analysis and statistical significance testing.

EXPERIENCE

Technology Graduate Scheme

Vodafone Group | 2018-2020

- **Technical Product Development & Machine Vision:** Developed a prototype for a commercially viable IoT Solution for Events Capacity Management (YOLO AI Object Detection Model on a Jetson Nano to calculate queue times) and a full business case. I took a key role in presenting and explaining our technology to key stakeholders from different backgrounds and getting them on-board.
- **Data Privacy:** Developed employee lift sharing app as part of a Graduate team. Queried data from the AWS Big Data Platform and lead on Data Privacy for the team, ensuring employee data was correctly managed in line with GDPR.
- **Data Visualisation:** Built custom real-time dashboards on EazyBI and PowerBI with real-time data for the IT, Cybersecurity and Solution Architecture teams.

R&D Summer Internship

Procter & Gamble | July - September 2017

- **Data Analysis:** Collected data using quantitative and qualitative techniques and analysed this to explore consumer product perception trends.