




CONTACT ME

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SKILLS SUMMARY

- **Programming** (Python, R, HTML)
- **Machine Learning** (PyTorch, Scikit-learn, spacy, scispacy, Hugging Face, Bio-bert)
- **NLP** (Tokenization, Embeddings, Language Models, Rules/Regex, Text Data Augmentation)
- **Good Software Engineering Practises** (Modular code, Unit Testing, GitHub Version Control, Cloud Computing).
- **Agile Software Development** (Certified PSM1 Scrum Master).
- **Pharmacometrics/ADME Modeling** (nlmixr, R, R Markdown).

PUBLICATIONS

- **Award Winning** Poster at WCOP, 2022, Cape Town.
- Poster at PAGE Meeting, 2022, Ljubljana.
- Poster at CAI4H, 2022, London.
- Attendance at: Turing AI UK, ACOP.

EXTRA-CURRICULAR

- **Healthcare Technology**- Follow closely new developments in this field. UCL MedTech Society Portal Editor from 2020-2021.
- **Mentorship**- A mentor for new students on my CDT.
- **Sports and Outdoor Activities**- I enjoy Running, Yoga, Cycling, Bouldering, Hiking, Skiing and Scuba Diving (I'm a Qualified PADI Open Water Diver).
- **Food**- I enjoy learning new cuisines and techniques, I love making pasta and sushi from scratch and I have recently taken up artisan chocolate making!

REFERENCES

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

VICTORIA SMITH

PHD STUDENT IN BIOMEDICAL NLP AT UCL AND THE ALAN TURING INSTITUTE

PERSONAL PROFILE

PhD Student with experience working in **Text Mining, Natural Language Processing and Machine Learning**. I am passionate about using computational techniques to solve complex challenges in **Healthcare**.

EDUCATION

Enrichment Student

The Alan Turing Institute | October 2022-Present

- Enhancing my PhD research with support from the Turing Community. Opportunity to receive specialised training in Data Science Research and get involved in related research.

PhD Student on the AI-Enabled Healthcare Systems CDT

University College London | Sept 2021-Current

- Research Project focus on Pharmacokinetic (DMPK) Information Extraction from Tables and Text in Biomedical Literature using Natural Language Processing.
- Experience training Language Models for Named Entity Recognition and Entity Linking in the Pharmacokinetics domain.
- Using extracted data for Pharmacokinetic parameters predictions.
- External Training: EPSRC Responsible Innovation Training, Turing AI Ethics Training, Conception X Venture Scientist Training.

PGCert in Statistical Data Science

Birkbeck University | 2021-2022 | Merit

- Calculus, Algebra and Statistics Modules providing me with strong foundations in the mathematics underlying Data Science and Machine Learning.

MRes AI-Enabled Healthcare Systems

University College London | 2020-2021 | Distinction

- Research Project focused on information extraction from tables in Biomedical Literature with NLP methods. Built a multi-label classification Pipeline for Pharmacokinetic tables using table embeddings and an N-gram CNN, in Pytorch. I developed skills in imbalanced data methods and augmentation.
- Modules covering Software Development, Machine Learning, Pharmacometric Modeling and EHRs.

MSci Neuroscience

University College London | 2014-2018 | Distinction

- Strong background in Biomedical Research and Clinical Neuroscience, specialising in analysis of gene expression in Alzheimer's Disease Models.

WORK EXPERIENCE

Technology Graduate Scheme

Vodafone Group | 2018-2020

- Developed a prototype for a commercially viable Internet of Things Solution for Events Capacity Management and full business case as part of a cross-functional team. I took a key role in presenting and explaining our technology to senior stakeholders from both technical and business backgrounds to ultimately secure funding for the project.
- Developed an employee lift sharing app as part of a Technical and Business team. I lead on Data Privacy for the team, drawing up an employee privacy statement for the company to ensure employee data was correctly managed in line with GDPR.