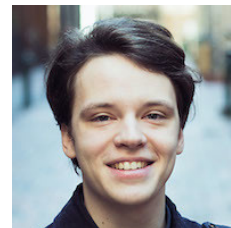


MARTIN INGRAM

email: martin.ingram@gmail.com



Summary: I am an expert in Bayesian statistical modelling and recently submitted my PhD on this topic. Before my PhD, I worked as a machine learning engineer in industry, where I developed deep learning models. I am passionate about combining solid code with solid mathematical modelling, and am keen to apply my skills to practical problems.

EDUCATION

University of Melbourne , Melbourne, Australia PhD, Science (submitted October 2021) Thesis title: <i>Approximate Bayesian inference for large-scale hierarchical modelling</i> Expertise: Linear algebra, probability, Gaussian processes, programming with GPUs, variational inference	2018-2021
Imperial College London , London, United Kingdom MSc., Computing Science, Grade: Distinction (82.8%) Won "MSc. Group Project Prize" for best group project of the year Courses (selection): Databases, Algorithms, Software Engineering, Program Design and Logic, C++	2014-2015
University of Cambridge , Cambridge, United Kingdom BA., Natural Sciences (Physical). Grade: II.1	2011-2014
Peutinger-Gymnasium Augsburg , Augsburg, Germany Abitur, Grade: 1.0	2001-2010

PROFESSIONAL EXPERIENCE

Silverpond Pty Ltd <i>Machine Learning Engineer</i> <ul style="list-style-type: none">Consulting: Developed and evaluated deep learning models for clientsFocus: Object detection and segmentation of aerial footageDeveloped company-internal software for object detection (Full time: 2016-2018; part time: 2018-2019)	2016-2019 <i>Melbourne, Australia</i>
Stratagem Technologies Limited <i>Quantitative Researcher</i> <ul style="list-style-type: none">Developed a deep learning model to detect objects in soccer matches which outperformed previous approaches	2015-2016 <i>London, United Kingdom</i>
SPI Lasers PLC <i>Research Intern</i> <ul style="list-style-type: none">Developed software using MATLAB, Visual Basic and C# to aid research on fibre lasers	Summers, 2011-2013 <i>Southampton, United Kingdom</i>

TECHNICAL SKILLS

Programming languages	Python, R, Bash
Software packages	PyMC3 (contributor), Stan, JAX, Tensorflow, pandas, numpy
Languages	English (native speaker), German (native speaker)

ONLINE PROFILES

Website and blog	https://martiningram.github.io/
LinkedIn	https://www.linkedin.com/in/martin-ingram-48302782/
Google Scholar	https://scholar.google.com/citations?user=AZ-A7AEAAAAJ&hl=en