Charlie Nash

265/4 Canongate, Edinburgh – EH8 8BQ
07934554226 • charlie.tc.nash@gmail.com

Education

The University of Edinburgh **Edinburgh**
Centre of Doctoral Training in Data Science *2015 – present*

Thesis: *Scene understanding using parts-based 3D shape models - Development of methods for scene understanding tasks such as pose estimation by leveraging the growing supply of 3D models available in online databases.*

Supervisor: *Prof. Christopher K. I. Williams*

The University of Edinburgh **Edinburgh**
MSc(R) Data Science, Distinction (79%) *2014 – 2015*

MSc Project: *Modelling 3-D Object Classes - Investigation and implementation of a probabilistic model which generalizes graphics models of object classes.*

The University of Edinburgh **Edinburgh**
BSc Mathematics, First Class Honours (79%) *2010 – 2014*

Final Year Project: *The Mathematics of Music - An exploration of group structure within music, with a focus on PLR-operations and their extension to 7th chords through generalised contextual transformations.*

Work Experience

Edinburgh University **Edinburgh**
Principal's Teaching Award Summer Project *July 2014 – Sept 2013*

- Worked with the school of mathematics teaching team on the prediction of student exam performance.
- Modelled student exam performance using attendance, coursework and class test data.
- Produced tools to automatically generate summaries/visualisations of overall year performance.

Imperial College London **London**
NIHR Research Methods Internship *June 2013 – Sept 2013*

- Worked in the department of Epidemiology and Biostatistics on a project modelling road accidents in the UK.
- Contributed to development of a spatial Bayesian model for road accidents.

Teaching

Edinburgh University **Edinburgh**
Machine Learning and Pattern Recognition Class Tutor *September 2015 – December 2015*

- Prepared and delivered tutorials to small groups of MSc students.

Awards and Achievements

- Awarded Keycom Scholarship worth £1000 a year for academic achievement.

Computing Skills

Python, R, Matlab, WinBUGS, LaTeX