

CIAN EASTWOOD

PhD Student in Machine Learning

📍 University of Edinburgh, UK

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🌐 Personal homepage

🔗 github.com/cianeastwood

EDUCATION

ELLIS Research Visit

Max Planck Institute for Intelligent Systems

📅 April 2021 – present

📍 Germany

📖 *Topic:* Causal representation learning

👤 *Supervisor:* Prof. Bernhard Schölkopf

PhD, Machine Learning

University of Edinburgh

📅 Sept 2018 – present

📍 UK

📖 *Topic:* Exploiting invariances across environments to learn causal structure

👤 *Supervisor:* Prof. Chris Williams

🏆 Enlightenment Scholarship, Travelling Studentship in the Sciences

MSc, Artificial Intelligence

University of Edinburgh

📅 Sept 2016 – Aug 2017

📍 UK

🎓 Distinction

📖 *Thesis:* Experiments with Information-Maximising GANs

👤 *Supervisor:* Prof. Chris Williams

🏆 Best thesis, UK/EU Masters Scholarship, The Informatics Scholarship

🔧 Co-founded EdIntelligence—a ML society with over 150 members

Student Exchange Program, Computer Science

University of Toronto

📅 Aug 2014 – Jan 2015

📍 Canada

📖 *Courses:* Computer Networks, Compilers, Formal Methods of Software Design

BSc, Computer Science

National University of Ireland, Maynooth

📅 Sept 2012 – June 2016

📍 Ireland

🎓 First-Class Honours

📖 *Thesis:* Minimising Volatility, Maximising Diversification

👤 *Supervisor:* Dr Phil Maguire

🏆 Intel Medal—graduated top of class, STEM Scholarship, Entrance Scholarship

EXPERIENCE

Research Assistant

University of Edinburgh

📅 Nov 2017 – Sept 2018

📍 UK

📖 *Topic:* Deep generative models for human motion synthesis

👤 *Supervisor:* Prof. Taku Komura

RESEARCH INTERESTS

🧠 Exploiting invariances across environments for *causal representation learning* and learning *stable predictors* that generalize out-of-distribution.

PUBLICATIONS

- 📄 C. Eastwood, I. Mason and C. K. I. Williams. Unit-level surprise in neural networks. *Preprint (under review)*, 2021.
- 📄 C. Eastwood, I. Mason, C. K. I. Williams and B. Schölkopf. Source-free adaptation to measurement shift via bottom-up feature restoration. *Preprint (under review)*, 2021.
- 📄 N. Li, C. Eastwood and R. B. Fisher. Learning object-centric representations of multi-object scenes from multiple views. In *NeurIPS 2020 (Spotlight)*.
- 📄 C. Eastwood and C. K. I. Williams. A framework for the quantitative evaluation of disentangled representations. In *ICLR 2018*.

SKILLS & INTERESTS

Representation learning Generalization

Causality Causal discovery Vision

Domain adaptation Transfer learning

PyTorch TensorFlow

REVIEWING

🧑‍🎓 NeurIPS 2021, ICLR 2022

OTHER EXPERIENCE

Tutor

University of Edinburgh

📅 Sept 2018 – Present

📍 UK

🔧 Delivered tutorials to 10–15 students

📖 *Courses:* ML & Pattern Recogn., Intro to ML

Intern Analyst

Accenture

📅 Feb 2015 – August 2015

📍 Dublin, Ireland

🔧 Professional software development