Adalberto Claudio Quiros

Contact Information

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Education

Ph.D. Candidate, Computer Science — **Current**
University of Glasgow, Glasgow, Scotland, UK

Advisors: Ke Yuan, Roderick Murray-Smith

Research: *Generative models, representation learning, disentanglement, and its application on cancer tissue.*

M.S., Electrical Engineering, — **August 2013**
Illinois Institute of Technology, Chicago, IL, USA

M.S. & B.S., Telecommunications Engineering, — **August 2012**
Polytechnic University of Madrid, ESTIT-UPM, Madrid, Spain

Employment

Senior SoC Design Engineeer, — **January 2016 – September 2018**
Intel Corporation, San Jose, CA USA

Senior SoC Design Engineeer, — **June 2014 – January 2016**
Altera Corporation, San Jose, CA USA

Data Acquisition Engineeer, — **August 2013 – June 2014**
Channel IQ (currently MarketTrack), Chicago, IL USA

Research Interests

Generative models, Bayesian nonparametrics, representation learning, and interpretability of latent variable models.

Preprints

1. **Quiros, A. C.**, Murray-Smith, R., Yuan, K., (2020) *Pathology GAN: Learning deep representations of cancer tissue*, [arXiv:1907.02644], *In preparation.*

Conference Publications

1. Naswali, E., **Quiros, A. C.**, Chandran, P., (2019) *DNNLibGen : Deep Neural Network Based Fast Library Generator*, 10.1109/ICECS46596.2019.8965191, 26th IEEE International Conference on Electronics Circuits and Systems, Genova, Italy.

Honors and Awards

University of Glasgow PhD College Scholarship — **2018**

Altera Q2 Quality Award: Arria 10 Frequency binning correlation — **2015**

Teaching Experience

Teaching assistant, University of Glasgow

CompSci4061, Machine Learning (B.Sc.) — **Fall 2019**

CompSci5090, Machine Learning for Data Scientists (M.Sc.) — **Fall 2018**

Guest Lectures, University of Glasgow

CompSci5090, Machine Learning for Data Scientists (M.Sc.): — **Fall 2019**

Inference Methods: Sampling methods and Variational Inference.

Student Supervision

Graduate students

Christian van Rooyen, **June 2019–August 2019**

Secondary supervision of Master Thesis.

Thesis: *Investigation into the use of Capsule Networks for the Prognostication of Breast Cancer.*

Professional Activities, Outreach, and Service

Seminar organizer

IDI Journal Club, University of Glasgow **Spring 2019–Present**

Coursework

American politics in the 21st Century, University of Glasgow **January 2020–Present**

Udacity Deep Learning Nanodegree **February 2018–July 2018**

Coursera Deep Learning Specialization **October 2017–March 2018**

Computer Skills

Languages—Proficient in Python, TensorFlow. Experience in R, C/C++, VHDL, Verilog. Markup languages: LaTeX, Markdown.

References

Ke Yuan, Lecturer in Machine Learning and Computational Biology, University of Glasgow
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G12 8RZ, Glasgow, UK
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Roderick Murray-Smith, Professor of Computer Science, University of Glasgow
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email: roderick.murray-smith@glasgow.ac.uk