

Gamal Crichton

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Educational Experience

Ph.D. Computational Linguistics

University of Cambridge, United Kingdom

October 2015 – July 2019

- Awarded a fully-funded Cambridge International Scholarship
- Thesis: Improving Automated Literature-based Discovery with Neural Networks: Neural biomedical Named Entity Recognition, Link Prediction and Discovery
- Served as Vice President of Cambridge University CGS Committee, 2017-2018
- Served as Team Leader of CGS International Student Welcome, 2018

M.Phil. Computer Science

University of the West Indies at Cave Hill, Barbados

September 2011 – August 2013

- Awarded a fully-funded postgraduate scholarship
- Awarded the Emerging Leaders in the Americas Program Scholarship
- Conducted research at the University of Western Ontario for six months as Visiting Graduate Student

B.Sc. Computer Science

University of the West Indies at Cave Hill, Barbados

September 2008 – May 2011

- Awarded the Dean's Prize *Proxime Accessit* by the Faculty of Pure and Applied Sciences
- Won third place in Student Entrepreneurial Empowerment Development (SEED) business plan writing and pitching competition
- Served as President of Campus Methodist Fellowship (CMF)
- Founded and edited monthly CMF newsletter

Professional Experience

Part-time Lecturer, UTECH B.Sc. Computing

St. Vincent and the Grenadines Community College, St. Vincent and the Grenadines

May 2014 – August 2015

- Lectured in the first B.Sc. Computer Science programme to be offered in the country

Software Engineer, E-College

St. Vincent and the Grenadines Community College, St. Vincent and the Grenadines

December 2013 – August 2015

- Analysed existing software systems, diagnosed major issues and was a driving force in designing and implementing the new software ecosystem for suite of applications used by students and staff of the nation's main tertiary institution

Teaching Assistant, Department of Computer Science, Mathematics, and Physics

University of the West Indies at Cave Hill, Barbados

September 2011 – April 2012

- Led lab sessions, tutored students, and marked course submissions

Technical Intern, Technical Services

Caribbean Development Bank, Barbados

July 2010 – August 2010

- Designed and implemented a Help Desk application in MS Excel using VB

Junior Technician, External Plant

Cable and Wireless St. Vincent Ltd, St. Vincent and the Grenadines

January 2008 – August 2008

- Installed and maintained telecommunications infrastructure

Sales Apprentice, Sales and Marketing

Cable and Wireless St. Vincent Ltd, St. Vincent and the Grenadines

June 2007 – December 2007

- Sold telecommunications products and services

Publications

- Crichton G, Baker S, Guo Y, Korhonen A. *Neural networks for open and closed literature-based discovery*. 2019 (under review).
- Crichton G, Guo Y, Pyysalo S, Korhonen A. *Neural networks for link prediction in realistic biomedical graphs: a multi-dimensional evaluation of graph embedding-based approaches*. 2018. BMC Bioinformatics, 19(1), 176.
- Crichton G, Pyysalo S, Chiu B, Korhonen A. *A neural network multi-task learning approach to biomedical named-entity recognition*. 2017. BMC Bioinformatics, 18(1), 368.
- Rei M, Crichton G, Pyysalo S. *Attending to characters in neural sequence labelling models*. 2016. Proceedings of the 26th International Conference on Computational Linguistics. Osaka, Japan.
- Chiu B, Crichton G, Korhonen A, Pyysalo S. *How to train good word embeddings for biomedical NLP*. 2016. Proceedings of the BIONLP 2016 Workshop co-located with ACL 2016, 166. Berlin, Germany.