Chris Hickey

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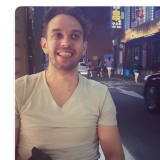
Employment History

2018 – · · · ·	🔖	**Graduate Researcher** BioIntelligence Lab - Seoul National University, Seoul, Korea. (Sep 2018 – · · · ·.)
2019	🔖	**Blockchain Developer.** Common Computer - Blockchain Company, Seoul, Korea. (Developed distributed blockchain database; Jan 2019 – Mar 2019.)
2016 – 2017	🔖	**Team Lead.** Ericsson - Multinational Telecom Company, Athlone, Ireland. (Testing automation lead on AIA product; Sep 2016 – Sep 2017.)
2014 – 2016	🔖	**Software Engineer.** Ericsson - Multinational Telecom Company, Athlone, Ireland. (Python Developer and DevOps on ENM product; Sep 2014 – Sep 2016.)

Education

2018 – 2020	🔖	**M.Sc. Engineering, Seoul National University, Korea** in Artificial Intelligence. Thesis title: *Investigating Hierarchical Color Learning in Convolutional Neural Networks.* GPA: 4.22/4.3
2015 – 2016	🔖	**Prof. Dip. Data Analytics, University College Dublin, Ireland** *First Class Honours.* GPA: 4.0/4.2
2013 – 2014	🔖	**M.Sc. Software Engineering, Athlone Institute of Technology, Ireland.** *First Class Honours.* Graduated in top 5 of class.
2009 – 2013	🔖	**B.A. (Hons) Psychology, University College Dublin, Ireland.** *First Class Honours.* Graduated 2nd in class. GPA: 3.86/4.2 *Exchange Year.* Completed at University of Hong Kong.

Research Publications

Bibliography

1. **Hickey**, **C.**, & Zhang, B.-T. (2020a). Classifying verbal commands using convolutional neural networks and mel-spectrographic sound representations (upcoming), In *Proceedings of korea computer congress*.

2. **Hickey**, **C.**, & Zhang, B.-T. (2020b). Hierarchical color learning in convolutional neural networks, In *Proceedings of the ieee/cvf conference on computer vision and pattern recognition workshops*.

3. **Hickey**, **C.**, & Zhang, B.-T. (2020c). Split gibbs sampling algorithm for consistent motif discovery (upcoming), In *Proceedings of korea computer congress*.

4. Cho, S., Lim, J., **Hickey**, **C.**, Park, J., & Zhang, B.-T. (2019). Simulating problem difficulty in arithmetic cognition through dynamic connectionist models, In *Proceedings of the 17th international conference on cognitive modeling*.

5. Cho, S., Lim, J., **Hickey**, **C.**, & Zhang, B.-T. (2019). Problem difficulty in arithmetic cognition: Humans and connectionist models., In *Proceedings of the 41st annual meeting of the cognitive science society*.

Skills

Languages	■	Native English speaker, Intermediate level Korean.
Coding	■	Python, NodeJS, R and Java.
Main Competencies	■	Software Development, Test Automation, DevOps, Computer Vision, Machine Learning and Blockchain.
Misc.	■	Academic research, Academic writing, Git, LaTeX Linux and Publishing.

Miscellaneous Experience

Scholarships

2013	■	**Ericsson Scholarship**, Awarded full tuition at Athlone Institute of Technology and stipend from Ericsson in exchange for a commitment to work for the multinational company upon graduation.

Additional Work/Volunteer Experience

2011 – · · · ·	■	**English Teaching**, Have taught English to both adults and children in Zambia, Hong Kong, Vietnam, Ireland and South Korea, summing to a total of 2 years teaching experience.
2015 – 2017	■	**Samaritans Phone Counsellor**, Volunteered at night on a hotline listening service for Irish people suffering with loneliness, distress, depression and other mental health issues.

Certification

2011	■	**CELTA Certificate**, Completed a full-time month long CELTA English teaching course run in conjunction with Cambridge University.