Andy Kitchen

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Born: September 10, 1989 — Perth, Australia
Nationality: Australian

Current activity

Artificial Intelligence Researcher, Berlin Germany

Areas of specialization

Deep Learning • Data Science • Functional Programming • Neuroscience

Employment

2023-2024 Explosion, *ML Product Consulant*
2021-2022 Debias.ai, *Advisor*
2019-2022 Cortical Labs, *Co-founder, CTO*
2018-2019 CliniCloud, *Head of AI Research*
2008-2017 Silverpond, *Lead Data Scientist*
2013-2014 Intrascope Analytics, *Co-founder*
2008-2010 Timelapse Company, *Lead Software Engineer*

Education

2012 BSc in Computer Science (Computational Mathematics) with Distinction, RMIT University

Selected Publications & Talks

2023 PyData Amsterdam, "Promptly Evaluating Prompts with Bayesian Tournaments", Netherlands
2023 DLD Munich, "To Boldly Grow… Live Brain Cells that Learn to Play Pong", Germany
2022 Kagan, Brett and Kitchen, Andy et al. "In vitro neurons learn and exhibit sentience when embodied in a simulated game-world", Neuron Volume 10, Issue 23; doi:10.1016/j.neuron.2022.09.001
2022 Sinclair, Benjamin… Kitchen, Andy et al. "Machine learning approaches for imaging-based prognostication of the outcome of surgery for mesial temporal lobe epilepsy", Epilepsia Volume 63, Issue 5; doi:10.1111/epi.17217
2019 YOW! LambdaJam, Meta-Quines II, Melbourne Australia

2018 Kitchen, Andy and Benedetti, Michela (2018). "ExIt-OOS: Towards Learning from Planning in Imperfect Information Games", NeurIPS Deep Reinforcement Learning Workshop and Reinforcement Learning under Partial Observability Workshop; arXiv:1808.10120

2017 Kitchen, Andy, and Seah, Jarrel (2017). "Deep Generative Adversarial Neural Networks for Realistic Prostate Lesion MRI Synthesis' arXiv preprint; arXiv:1708.00129

2017 Kitchen, Andy and Seah, Jarrel (2017), "Support vector machines for prostate lesion classification", Proc. SPIE 10134, Medical Imaging 2017: Computer-Aided Diagnosis, 1013427 (March 3, 2017); doi:10.1117/12.2277120

2017 Seah, Jarrel and Tang, Jenifer and Kitchen, Andy (2017), "Detection of prostate cancer on multiparametric MRI", Proc. SPIE 10134, Medical Imaging 2017: Computer-Aided Diagnosis, 1013429 (March 3, 2017); doi:10.1117/12.2277122

2017 IJCAI Industry Day, "Melboune.ai", Melbourne Australia

2017 BuzzConf Technology Festival, "10 Reasons you are Just a Flesh Robot and That's OK", Australia

2016 IEEE 2016 Conference on Norbert Wiener in the 21st Century, "Visualising Artificial Deep Neural Network Activity While Playing Video Games", Melbourne Australia

2016 NVIDIA GDCx, "Deep Breath", Melbourne Australia

2016 O'Reilly OSCon, "Abracada-brain", Austin TX U.S.A.

2015 Biarri Applied Mathematics Conference, "Pattern Recognition", Melbourne Australia

Patents

2023 `US-20230133430-A1` — System and Method for Training in Vitro Neurons
`US-20230134609-A1` — System and Method for Training in Vitro Neurons Using Hybrid Optical/electrical System
`US-20230139724-A1` — System and Method for Testing Effects of Chemical Compounds on Cognitive Function

Awards

2016 SPIE ProstateX Challenge, 2nd place team

2016 GovHack, 1st place team, news content category

2013 HealthHack, 1st place team

2013 The Age Data Hack, 1st place team

Community

2019-2021 Fair ML reading group, Co-organizer

2014-2022 Melbourne Machine Learning and AI Meetup, Co-organizer

2017 Melbourne Functional Programming Association Inc., Founding Member

2016-2019 Compose :: Melbourne, Conference Organizing Committee

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