Anthony Bourached

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▬▬▬ Work Experience

Jan 2019-	**Co-Founder, CEO**, *Oxia Palus*, https://www.oxia-palus.com/.
	Anthony co-founded the AI art collective Oxia Palus in 2019. Which has reached worldwide press headlines for reconstructing lost Picasso paintings.
Apr-Oct 2018	**Machine Learning Consultant**, *Hurricane Modular Commerce*.
	Natural Language Processing for automatic classification of commodities.
Oct 2017-	**Machine Learning Consultant**, *Auto Service Finance (Fintech)*.
	Advise on all aspects of lending risk and devise company's data science strategy.
Feb-Oct 2017	**Data Scientist**, *Auto Service Finance (Fintech)*.
	Introduced and conducted multiple end-to-end implementations of machine learning to lending decision and fraud detection which massively reduced bad decision rate.

▬▬▬ Education

Independent Courses (Certificates Available)

Coursera	*Sequence Models* (deeplearning.ai)(Feb-Mar 2018)
Coursera	*Convolutional Neural Networks* (deeplearning.ai)(Nov-Jan 2017)
Coursera	*Neural Networks for Machine Learning* (University of Toronto)(Dec 2017)
Coursera	*Bayesian Statistics* (UoC Santa Cruz)(Oct-Nov 2017) (Incomplete)
Coursera	*Mindshift* (McMaster University)(Dec 2017)
Coursera	*Structuring Machine Learning Projects* (deeplearning.ai)(Nov 2017)
Coursera	*Improving Deep Neural Networks* (deeplearning.ai)(Nov 2017)
Coursera	*Neural Networks and Deep Learning* (deeplearning.ai)(Oct 2017)
Coursera	*Machine Learning (Stanford University)* (Dec 2016)
Coursera	*Algorithms: Design and Analysis (Stanford University)* (Nov 2016).
Coursera	*Learning How to Learn* (UoC San Diego)(Aug 2015)

University Degrees

2019–2022	**PhD Machine Learning and Behavioural Neuroscience**, *UCL (In Progress)*.
2019	**Epistemic Game Theory**, *Summer Course, EPICENTER Maastricht University)*.
2018–2019	**MSc Machine Learning**, *University College London (UCL)*.
2015–2016	**MSc High Performance Computing (HPC)**, *University of Edinburgh (UoE)*.
2011–2015	**BA in Theoretical Physics**, *Trinity College Dublin (TCD), Honours*.

Selected Modules from above degrees (European grading system)

UCL	*Natural Language Processing - 87%*

UoE	*Advanced Parallel Programming - 70% and Threaded Programming - 83%*
TCD	*Quantum Field Theory and Quantum Electrodynamics - 77%*

Research Interests

Publications	*Google Scholar* `https://scholar.google.com/citations?hl=en&user=ZEGIdAYAAAAJ`
Topic 1	*High Dimensional Neuroscience: Computer vision, human motion dynamics; therein behavioural analytics.*
Topic 2	*Computer vision for art analysis and generation.* See Press Coverage at `https://www.oxia-palus.com/press`
Topic 3	*Machine learning for the advancement of synthetic chemistry.*
Topic 4	*High Performance Computing: strong scaling in distributed computing.*
Topic 5	*ChessBoxing* `https://www.twitch.tv/videos/520516503?fbclid=IwAR03E_6UAO8zlAdByzUI-VSLwgeBEU_KRcppoT3QRxU4eiN5dDVKZFoL_Yo`

Other Experience

Jun-Aug 2015	**Research Intern with Partnership for Advanced Computing in Europe (PRACE)**, Ostrava, Czechia.
	Check it out on YouTube: `https://www.youtube.com/watch?v=NxJgkh2Z5M8`
2012-2015	**Team Captain/Secretary and Chairperson**, *Trinity Chess Society* , TCD.
	Secretary: 2012-2014; Team Captain: 2012-2014; Chairperson: 2014/2015.
	Under my captaincy the team won the Leinster chess championships for the first time since 1945 and hosted the 2014 Irish chess championships for the first time.

Technical Skills

Proficient	I learned in C, I stayed in Python.

Interests

Chess	I play competitive chess and participate in international tournaments.
Exercise	I enjoy cross country running, swimming, and calisthenics.
References	Academic and vocational references available on request.