Cyril Verluise

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Professional Experience

2018 - *Oct. 2021* *Expected*	**PhD in Economics** *Essays on Knowledge Creation and Diffusion*, Paris School of Economics Leveraged Data Science and Natural Language Processing to track technology and knowledge diffusion. Led 3-year projects, managed and trained 6 research assistants, collaborated with and learnt from co-authors, developed an open source project and presented our work in top-tier international conferences Supervisor: Ph. Aghion (Collège de France); Committee: L. Cassi (PSE), B. Hall (UC Berkeley), A. Jaffe (MIT), H. Williams (Stanford), J. van Reenen (MIT & LSE)

Data Scientist

2018 - present *(1-2 days per week)*	*Freelance*, Paris (France) and remote Contributed to the development of new products and features for patent analytics (IPwe) and oil market prediction (Kayrros). Managed full-length projects: client sourcing, client needs assessment, roadmap design, algorithm research and solution serving (API, model, dashboard)
2018 *(4 months)*	*Kayrros*, Paris (France) Applied Machine Learning to predict oil prices using exclusive satellite data

Quantitative and Economic Researcher

2016 - 2017	*Collège de France*, Paris (France) Contributed to research on the interactions between Innovation and the Tax System. Project supervised by Ph. Aghion (Collège de France) and S. Stantcheva (Harvard)
2015 *(6 months)*	*Natixis*, Frankfurt am Main (Germany) Wrote economic policy reports and research papers in collaboration with S. Broyer (International Head of Economics)
2013 *(6 months)*	*TAC Economics*, Rennes (France) & New Delhi (India) Helped developing a political risk assessment tool using unsupervised learning

Education

2017 - 2018	**ENSAE - Paristech**, Saclay (France) Specialised Master in Data Science, *Highest Honors*
2015 - 2017	**Paris School of Economics**, Paris (France) Master in Analysis and Policy in Economics, *High Honors*
2011 - 2015	**HEC Paris School of Management**, Jouy-en-Josas (France) Msc in Management Major in Quantitative Economics and Finance, taught at *Ecole Polytechnique*
	Paris I Panthéon-Sorbonne, Paris (France)
2012 - 2013	Double Bachelor in Economics and Political Science (French 3-year Licence), *Honors*
2011 - 2012	Bachelor in Applied Mathematics (French 3-year Licence)
2009 - 2011	**Lycée Henri IV**, Paris (France) Intensive 2-year training to French "Grandes Ecoles" competitive entrance exams

Grants & Awards

2018 - 2021	**Collège de France**, Doctoral contract, 3-year scholarship
2019	**Google LLC**, Google Cloud Platform Research Grant, $1,000
2017	**Hackathon Ernst&Young - Genius ENSAE - Label Emmaüs** Member of the *winning team* of the Data Science/Business Challenge, €1,000

Programming Skills

Advanced: Python, Google Cloud Platform, Amazon Web Services, SQL, Git
Elementary: PySpark, R

Languages

French (native), English (fluent), German and Spanish (basic)