

Davide Locatelli

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INTERESTS	Interactive machine learning, NLP, semantic parsing, computational linguistics	
EDUCATION	<p>Pompeu Fabra University, Barcelona, Spain — Sep 2021 - present M. Res. Intelligent Interactive Systems. Graduation date: late July 2022 Consolidating machine learning knowledge and skill set by taking part in applied research projects Thesis: <i>Linguistic Emergence in Deep Neural Networks</i>. Advisors: Marco Baroni & Roberto Dessi</p> <p>Imperial College, London, England — Oct 2019 - Oct 2020 M.S. Computer Science. Graduated with <i>Distinction</i> (4.0 GPA UK equivalent) Strengthened programming abilities and applied knowledge of philosophy of language to NLP tasks Thesis: <i>Measuring Compositional Generalization in Modular Neural Networks</i>. Advisors: Pranava Madhyastha & Josiah Wang. Selected as Distinguished Individual Project.</p> <p>University College, London, England — Oct 2016 - Jun 2019 B.A. Philosophy. Graduated with <i>First Class Honors</i> (4.0 GPA UK equivalent) Gained expertise in philosophy of language, philosophy of mathematics and formal logic Thesis: <i>Formalizing Belief Bias with Sub-classical Non-Monotonic Logic</i>. Advisor: James Wilson</p>	
EXPERIENCE	<p>Junior Researcher, Polytechnic University of Catalonia — Nov 2021 - present Developing interactive learning algorithms for NLP tasks as part of the INTERACT research group. Currently working toward the development of new data-efficient architectures in semantic parsing</p> <p>Graduate Teaching Assistant, Pompeu Fabra University — Jan 2021 - Jun 2021 Taught C programming to 30+ undergraduate students as part of the Operating Systems course. Received positive feedback from students in final survey and renewed the position for next year</p> <p>Software Engineer Consultant, Recycleye — Nov 2020 - Feb 2021 Developed and improved a web application for automated data analysis of object detection datasets:</p> <ul style="list-style-type: none">• Significantly improved the time efficiency by streamlining the back-end processes• Added several useful visualization functionalities for quicker data analysis• Redesigned the user interface for a smoother and more intuitive experience	
HONORS & AWARDS	<p>Imperial College London</p> <ul style="list-style-type: none">• Received the Distinguished Individual Project Award for Master Thesis <p>University College London</p> <ul style="list-style-type: none">• Two letters of commendation from head of dept for outstanding academic performance• Awarded the Sports Colours Award as a senior member of the rowing team• Added to the Roll of Honour as Coxswain Captain of the rowing team	
ADDITIONAL EDUCATION	<p>Oxford Machine Learning Summer School — Jul 2021 Broadened understanding of machine learning applications in healthcare and climate action</p> <p>Lisbon Machine Learning Summer School — Aug 2021 Mastered NLP and Computational Linguistics with lectures & lab sessions</p>	
SKILLS	Adept in C++, Python (incl. Pytorch, NumPy, Pandas, Scikit-Learn, Matplotlib), MATLAB, R Native English and Italian speaker, proficient in German, currently learning Spanish and Catalan	