

# Davide Locatelli

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INTERESTS	Interactive machine learning, natural language processing, computational linguistics	
EDUCATION	<p><b>Pompeu Fabra University</b>, Barcelona, Spain, 2021-present M. Res. Intelligent Interactive Systems. Graduation date: July 2022. Consolidating machine learning knoweldge and skill set by taking part in applied research projects. Thesis: <i>Probing for Compositional Language in Emergent Communication</i>.</p> <p><b>Imperial College</b>, London, England, 2019-2020 M.S. Computer Science. Graduated with <i>Distinction</i> (4.0 GPA). Strengthened programming abilities and applied knoweldge of philosophy of language to NLP tasks. Thesis: <i>Measuring Compositional Generalization in Modular Neural Networks</i>.</p> <p><b>University College</b>, London, England, 2016-2019 B.A. Philosophy. Graduated with <i>First Class Honors</i> (4.0 GPA). Gained expertise in philosophy of language, philosophy of mathematics and formal logic. Thesis: <i>Formalizing Belief Bias with Sub-classical Non-Monotonic Logic</i>.</p>	
EXPERIENCE	<p><b>Junior Researcher</b>, Polytechnic University of Catalonia, 2021-present Developing interactive learning algorithms for NLP tasks as part of the INTERACT research group. Currently working in Semantic Parsing, towards the development of new data-efficient architectures.</p> <p><b>Graduate Teaching Assistant</b>, Pompeu Fabra University, 2021-present Teaching C programming to 30+ undergraduate students as part of the Operating Systems course.</p> <p><b>Software Engineer Consultant</b>, Recycleye, 2020-2021 Developed and improved a web application for automated data analysis of object detection datasets:</p> <ul style="list-style-type: none"><li>• Redesigned the user interface for a smoother and more intuitive experience</li><li>• Significantly improved the time efficiency by streamlining the back-end processes</li><li>• Added several useful visualization functionalities for quicker data analysis</li></ul>	
HONORS & AWARDS	<p><b>University College London</b></p> <ul style="list-style-type: none"><li>• Two letters of commendation for outstanding academic performance</li><li>• Sports Colours Award as member of the rowing team</li><li>• Added to the Roll of Honour as Coxswain Captain of the rowing team</li></ul>	
ADDITIONAL EDUCATION	<p><b>Oxford Machine Learning Summer School</b>, 2021 Broadened understanding of machine learning applications in healthcare and climate action.</p> <p><b>Lisbon Machine Learning Summer School</b>, 2021 Mastered NLP and Computation Linguistics with Lectures &amp; 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.	