

Dabal Pedamonti

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Education

PhD Robotics and Autonomous Systems **2019 - 2023**
University of Bristol and University of the West of England
Researcher with [FARSCOPE](#) Centre for Doctoral Training at Bristol Robotics Laboratory

MEng (Hons) Electronics and Computer Science **2014 - 2019**
The University of Edinburgh
First Class with Honours

Technical Work and Projects

- **Self-Supervised Learning through Artificial Curiosity** (MRes, May - Sept 2020)
- **Amazon Picking Challenge** (FARSCOPE Group Project, Jan - Apr 2020)
- **Reinforcement Learning: Monte Carlo Tree Search algorithm applied to sailing domain** (Mar 2019)
- **Monte Carlo and Temporal-Difference (Sarsa, Q-learning) algorithms on simulated 2D soccer domain** (Reinforcement Learning course, Jan - Apr 2019)
- **Comparison of non-linear activation functions for deep neural networks on MNIST classification task**, [arXiv](#) (Apr 2018)

Experience

University of Bristol **Sept 2020 - Present**
Teaching Assistant: 📖 [Machine Learning](#) 📖 [Information Processing and the Brain](#)

Synopsys **Jun 2018 - Jan 2019**
Software Engineer **May - Aug 2017**

The University of Edinburgh **May - Aug 2016**
Software Developer for Information Services

Technical skills

- **Machine Learning and Robotics:** Tensorflow, ROS, OpenAI Gym, PyTorch
- **Programming Languages:** Python, C++, Java, Matlab, Haskell, MIPS, C, Verilog

Languages

- Italian (Native), English (Fluent)

Awards

- **Class medal** for highest average grade among third year students on the degree (2017)
- **Edinburgh University Award** gained by having participated in the summer internship programme-Employ.ed on Campus (2016)