

Vince Jankovics

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Education

- 2019-2025 **PhD Machine Learning**, City, University of London.
Topic: Graph-based reinforcement learning
- 2015-2016 **MSc Robotics**, University of Bristol & University of West England.
Dissertation topic: Nonlinear dynamic gain scheduling control for the Bixler model
Graduated with Distinction, received 'The Examiners Prize for the Best Dissertation'
- 2012-2015 **BSc Mechatronics**, University of Southern Denmark.
Thesis topic: Artificial neural network based adaptive complaint control for robotic arms

Experience

- 2022-present **CEO and Co-Founder**, Dot Square Lab, London.
- Leading the company to deliver optimal solutions to client challenges, ensuring the highest quality and satisfaction for all projects.
 - Overseeing the strategic direction, innovation, and growth of the company, building and maintaining strong client relationships.
- 2023-present **Strategic AI Consultant**, Colgate-Palmolive, Remote.
- Guiding the development of a forward-looking AI strategy that drives growth, operational efficiency, and consumer engagement at scale.
 - Identifying emerging opportunities where AI can transform products, processes, and customer experiences, while fostering a culture of continuous innovation.
- 2022 **Research Engineer**, Meta, London.
- Worked on a task assistant system based on action recognition and planning for AR tools.
 - Conducted an in-depth review and assessment of classical planning algorithms for performance and suitability.
 - Productionized an action recognition and planning algorithm (Action Dynamics Task Graphs) from a top-tier AI conference.
- 2019-2022 **Freelance Machine Learning Engineer**, Self-employed, London.
- Worked on a broad range of projects with clients from different industries.
 - Projects ranged across consultation, proof-of-concept development and final product deployment.
 - For a full list of projects please see my portfolio at vincejankovics.com.
- 2017-2018 **Machine Learning Engineer**, Cambridge Consultants Ltd., Cambridge.
- Worked on advanced machine learning systems to provide solutions to clients by improving and tailoring published state-of-the-art algorithms.
 - Contributed to projects in image restoration, object detection, segmentation, data augmentation.
 - Developed an in-house ML framework for training management and logging.
 - Developed highly optimized code to run deep learning models in real-time.
- 2016-2017 **Application Support Engineer**, MathWorks Ltd., Cambridge.
- Provided technical support for customers in various fields, e.g. machine learning, robotics, control systems, signal processing, embedded systems.
 - Contributed to the IMAV 2017 drone competition by developing a simulation framework using Gazebo, ROS and Simulink.
 - Developed tests for new features of the Matlab Deep Learning toolbox.
- 2013-2014 **Student Research Assistant**, SDU, Sonderborg - DK, Bielefeld - GER.
- Worked on software development and design of tactile sensors.
 - Designed and implemented a novel curved tactile sensitive fingertip, including mechanical structure, 3D printing and electronics.
 - Implemented an autonomous testing system for the tactile sensors using C++.
 - Integrated the testing framework with a Universal Robots robotic arm for physical data acquisition.