

**Olga Moskvyyak**

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**Machine Learning Engineer | PhD Researcher**

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## **Summary**

I am a Computer Science PhD Researcher at QUT Centre for Robotics, Australia. My research is in the field of computer vision with the focus on deep learning with limited annotated data. I am passionate applying machine learning for real-life applications. My research has been used to build and deploy deep neural networks for applications in wildlife conservation.

## **Work experience**

Sep 2020 – present: ML Engineer, contractor

WildMe/Wildbook, Portland, Oregon, USA

Achievements:

- Implemented and delivered AI models for wildlife detection and identification.
- Integrated the solution as a plugin to existing infrastructure.

Technologies: PyTorch, OpenCV, open-source GitHub

Jul 2018 – Nov 2019: Tutor (Advanced AI course)

Queensland University of Technology, Brisbane, Australia

Duties included:

- prepared course materials and assignments,
- presented lectures and tutorials on building AI models,
- marking assignments and exams.

Oct 2016 – Sep 2017: Research Assistant, part time

Central Queensland University, Brisbane, Australia

Achievements:

- implemented the multi-objective optimization algorithm and the genetic algorithm in Java for the problem of generating a nutritionally balanced diet.
- delivered a prototype of a smart dietary system that generates daily meals schedules based on dietary requirements.

Jun 2009 - May 2014: SAP ERP Consultant, full time  
Several consulting companies based in Moscow, Russia

Achievements:

- analyzed and designed business processes in logistics for clients in energy and gas mining industries,
- customized SAP system to tailor for business requirements,
- prepared project documentation,
- liaised with stakeholders and key end-users.
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## **Education**

- Ph.D in Computer Science, Queensland University of Technology, Australia, 2021 (expected)
- M.S. in Information Systems, Central Queensland University, Australia, 2016
- B.S. in Mathematics, Lomonosov Moscow State University, Russia, 2009

## **Skills**

Technical skills:

- proficiency in Python including Pytorch, Keras, OpenCV, SciPy, Numpy, Pandas;
- deployment of AI models and web applications (AWS, MS Azure, Docker),
- practical experience in building, deploying and testing ML models in a product development context using software engineering best practices.

Research skills:

- designing and building AI models for computer vision tasks,
- contribution to research submissions in top AI conferences,
- writing research papers and technical reports.

Soft skills:

- communication with non-technical stakeholders,
- presentation skills.