



Dr. Andrej Mikulik

andrej.mikulik@gmail.com

+41 79 952 13 14

Work experience

2024–2025

Wincent

Vice President of Engineering

Joined trading operations, led 4 engineering teams, enabled trading on new markets.

2014–2024

Google

Senior Staff Software Engineer, Tech Lead/Manager

Private Search, Internationalization, Personalization

Batch pipelines, production services, data analyses, ML/AI, C++, etc.

Built and led a team of 30 people across 3 timezones.

2009

Microsoft Research Cambridge

Cambridge Lab Internship Program

Implementation of high speed content based image search engine using image features and inverted file indexing under supervision of Dr. Andrew Fitzgibbon.

2006–2009

Logio s. r. o.

Analyst and Software Engineer

Time series analyses, data extrapolation, promotional analyses, forecasting for demand planning, database and code performance optimizations.

2006–2010

University robotic team MART

Founder and team leader,

Computer vision, autonomous robot guidance system, competing in Eurobot, Robotour.

Education

2010–2014

Czech Technical University in Prague

Faculty of Electrical Engineering

Center for Machine Perception

PhD student under supervision of Prof. Jiri Matas

Supported by the Microsoft Research PhD Scholarship program

2004–2010

Charles University in Prague

Faculty of Mathematics and Physics

2007 graduated with honours – Bachelor of Computer Science

2010 graduated with honours – Master of Computer Science

Relevant skills

Computer Vision, Machine Learning, Robotics, Data analyses, Big data pipelines

C/C++, Java, C#, shell scripts, MySQL, MSSQL, Oracle RDBMS, Cassandra

Matlab, Wolfram Mathematica, GIT, Linux at server administration level

Selected

publications

Mikulik A., Radenović F., Chum O., Matas J.

Efficient Image Detail Mining

In proceedings of ACCV 2014

Mikulik A., Chum O., Matas J.

Image Retrieval for Online Browsing in Large Image Collections

In proceedings of Similarity Search and Applications 2013

Mikulik A., Perďoch M., Chum O., Matas J.

Learning Vocabularies over a Fine Quantization

International Journal of Computer Vision 2012

Chum O., Mikulik A., Perďoch M., Matas J.

Total Recall II: Query Expansion Revisited

In proceedings of Computer Vision and Pattern Recognition 2011

Languages

English (fluent), German (basic), Slovak (native), Czech (fluent)

Other interests

Extreme sports, photography, classical music (played akordeon, clarinet and guitar)