Libor Wagner

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Education

2009–2012 **Master**, *Czech Technical University in Prague*, Faculty of Electrical Engineering.
Artificial Intelligence, Computer Vision (minor)

2006–2009 **Bachelor**, *Czech Technical University in Prague*, Faculty of Electrical Engineering.
Intelligent Systems

Master thesis

title *Video Surveillance of Crowds*

supervisor Ing. Vít Líbal, Ph.D. (Honeywell Automation and Control Solution)

Bachelor thesis

title *Fragment Assembly Problem by Means of Evolutionary Computation*

supervisor Ing. Jiří Kubalík, Ph.D.

Experience

04/2012–present **Research Fellow**, *Centre for Machine Perception*, Department of Cybernetics FEE CTU, Prague.
Project CloPeMa: Clothes Perception and Manipulation

2010 **Research Fellow**, *Department of Cybernetics FEE CTU*, Prague.
Agent based simulation of a city — project AgentPolis

Computer skills

Programming languages: Matlab, C/C++, Python, Haskell, Lisp, Prolog, HTML, CSS, PHP

Database systems: MySQL, Oracle, SQLite

Graphics tools: AutoCAD, Adobe Photoshop

Artificial intelligence: optimisation, automated planning, multi-agent systems, automated reasoning, neural networks, evolutionary computation, knowledge systems, machine learning, ...

Other: electronic, technical drawing, descriptive geometry, CAD systems, embedded systems, simulations, ROS

Other software: Matlab, Latex, office tools

Languages

Czech	**Native Language**	
English	**Fluent**	*2008 FCE grade B*

Other

Driver's license	category B
CS191x	Quantum Mechanics and Quantum Computation (edX)
7.00x	Introduction to Biology - The Secret of Life (edX)

Interests

Sport	orienteering, frisbee, running, cross-country skiing, skiing
Other	information technology, physics, electronics, architecture, design, graphics, travelling

Publications

Jiří Kubalik, Petr Buryan, and Libor Wagner. Solving the DNA fragment assembly problem efficiently using iterative optimization with evolved hypermutations. In *Proceedings of the 12th annual conference on Genetic and evolutionary computation*, GECCO '10, pages 213–214, New York, NY, USA, 2010. ACM.