

Michał Staniaszek

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EDUCATION

AUGUST 2013 to PRESENT	MSc Systems, Control and Robotics , Robotics and Autonomous Systems track KTH ROYAL INSTITUTE OF TECHNOLOGY, Stockholm, Sweden
SEPTEMBER 2009 to JUNE 2013	BSc Computer Science with Study Abroad , First Class Honours Top of graduating class (final year: 92%, weighted average: 89%) UNIVERSITY OF BIRMINGHAM, Birmingham, UK
SEPTEMBER 2011 to JULY 2012	Japanese Language Programme KEIO UNIVERSITY, Tokyo, Japan

ACADEMIC AND RESEARCH ACTIVITY

JANUARY 2015 to PRESENT	Master's Thesis — Object Search in Point Clouds Developing a system to describe objects in a registered point cloud using 3D feature descriptors, and find query objects in the resulting feature database. Supervised by John Folkesson.
SEPTEMBER 2012 to APRIL 2013	Bachelor's Thesis — Time Delay Estimation in Gravitationally Lensed Photon Streams Developed a system to estimate characteristic functions of streams with weighted least squares techniques and compare them with probabilistic techniques to estimate the time delay. Supervised by Peter Tiño.
JANUARY to JULY 2011	Participant at SAUC-E 2011 (Student Autonomous Underwater Competition - Europe) Collaboration between the University of Birmingham and University of Southampton to prepare the Delphin AUV for the competition in July. Converted the control system from Matlab to ROS Python.
OCTOBER 2010 to JULY 2013	Founding member of Birmingham Autonomous Robotics Club Co-founded the club due to interest from computer science faculty and undergraduate students in solving robotics problems and increasing the profile of the field in the school.

TEACHING

JANUARY 2013 to APRIL 2013	Robot Programming Demonstrator at UNIVERSITY OF BIRMINGHAM Answered questions about the implementation of various algorithms and the application of artificial intelligence techniques for use on LEGO NXT robots running LeJOS.
SEPTEMBER 2012 to DECEMBER 2012	Foundation Year Computer Science Demonstrator at UNIVERSITY OF BIRMINGHAM Helped foundation year students understand basic programming concepts, and evaluated their performance in assignments.
SEPTEMBER 2010 to APRIL 2011	Software Workshop (Java) Demonstrator at UNIVERSITY OF BIRMINGHAM One of five second year students selected to demonstrate for the First Year Workshop Java module. Provided advice on assignments, programming concepts, and the Java API.

WORK EXPERIENCE

JULY 2013	Systems and Software Assistant at KAON LIMITED, Guildford, UK Developed a GUI prototype for a portable device in Java, to demonstrate functionality to the customer. Set up and tested filesystems on linux for optimal operation on a large RAID device.
DECEMBER 2011 to JUNE 2012	Waiter at GYU-KAKU, Shibaura, Tokyo, Japan Served food and took orders, working entirely in Japanese with Japanese co-workers and clientele.
JULY to SEPTEMBER 2010	Technical Assistant at JAPAN SERVICES LTD., London, UK Assisted the company director with the development of a website. Used image manipulation tools to create images for the site. Solved hardware and software problems encountered by co-workers.

BURSARIES, SCHOLARSHIPS AND AWARDS

JULY 2013	Computer Science Prize (School Prize) Awarded to the highest scoring of all final year students in the School of Computer Science
JULY 2013	Research Committee Project Prize Awarded for the best research related dissertation by the University of Birmingham School of Computer Science
JANUARY to APRIL 2012	Japan Student Services Organisation Scholarship Short-term scholarship to support study in Japan.
JULY to SEPTEMBER 2011	Nuffield Undergraduate Research Bursary Bursary to support a summer research project to investigate particle filter localisation for AUVs.

PROGRAMMING AND SOFTWARE

Basic: Bash, Subversion, Python, Matlab,
OpenCV, PCL
Intermediate: Emacs, Linux, ROS, \LaTeX , C
Advanced: C++, Java, Git

Public repositories at github.com/heuristicus

LANGUAGES

English: Native
Japanese: Fluent (2012 JLPT N1, 90%)
Polish: Fluent
Swedish: Basic

REFEREES

Peter Tiño ¹ Professor p.tino@cs.bham.ac.uk	Patric Jensfelt ² Professor patric@kth.se	Kieren Feakes ³ Managing Director klf@kaon.co.uk
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¹School of Computer Science, University of Birmingham, Edgbaston, Birmingham, B15 2TT, UK

³Centre for Autonomous Systems, Kungliga Tekniska Högskolan, SE-100 44, Stockholm, SWEDEN

²Kaon Limited, 5 Wey Court, Mary Road, Guildford, Surrey, GU1 4QU, UK