Oscar Beijbom

CONTACT

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Nationality: Swedish Marital status: Single

EDUCATION

University of California, San Diego
Ph.D. in Computer Science, June 2014
Research focus: Machine Learning and Computer Vision methods for the scientific analysis of underwater images.
Advisor: Professor David Kriegman

Lund University
M.S. and B.S. in Engineering Physics, March 2007
GPA 4.9: (3-5 scale). Master Thesis: "Single image focus level assessment using Support Vector Machines".
Advisor: Professor Karl Åstrom

WORK &
RESEARCH
EXPERIENCE

Beijbom Consulting *Founder*
Lund, Sweden September 2009 -
I am running a consultancy business helping customers with applied pattern recognition and data analysis problems.

Hövding AB *Head of Research*
Malmö, Sweden June 2007 - September 2009
Hövding is the company behind the invisible bicycle helmet with the same name. The hövding is a collar, worn around the neck. The collar contains a folded up airbag that inflates and protects the user in the event of an accident. I was the first employee at hövding, and developed the accident detection system. [www.hovding.com]

Cellavision AB *Master Thesis Scholar*
Lund, Sweden September 2006 - March 2007
"Single image focus level assessment using Support Vector Machines". My master thesis work at Cellavision AB and the Department of Mathematics at Lund University that resulted in a novel method for auto focus. The work won 2 awards, Cellavision applied for a patent, and the method is implemented in their system. [www.cellavision.com]

Department of Mathematics *Research Assistant*
Lund, Sweden March 2007 - June 2007
I assisted with robot camera calibration in a EU financed project, SME-robot.
[www.smerobot.org]

McKinsey & Company *Junior Consultant*
Stockholm, Sweden June 2005 - September 2005
McKinsey is a management consulting firm, advising corporations, banks and holding companies on strategic and tactical issues. During the summer I worked in different teams with tasks such as collecting data, analyzing and drawing conclusions from it, and presenting it for the team and clients. [www.mckinsey.com]

Lund University *Graduate student instructor*
Lund, Sweden 2001 - 2004
I was planning and leading classes / session in a number of courses at the departments

of Mathematics, Mechanics and Computer Science. [http://www.maths.lth.se]

PUBLICATIONS & PATENTS	O. Beijbom, P.J. Edmunds, D.I. Kline, G.B. Mitchell, D. Kriegman. *"Automated Annotation of Coral Reef Survey Images"*. IEEE Conference on Computer Vision and Pattern Recognition (CVPR), Providence, Rhode Island, 2012.

O. Beijbom. *"Domain Adaptations for Computer Vision Applications"*. Research exam: University of California San Diego, arXiv:1211.4860, april 2012.

O. Beijbom. *"A method, device, and computer program product for event detection while preventing misclassifications"* (W83960002). International filing date: 20.07.2009

S. Hedlund, O. Beijbom, M. Almers. *"A method for determining an in-focus position and a vision inspection system"* (PCT/EP20008/051993). International filing date: 19.02.2008

O. Beijbom. *"Single Image Focus Level Assessment Using Support Vector Machines"*. Master Thesis Report, Lund University, 2007

CONFERENCE TALKS

O. Beijbom, T. Treibitz, B. P. Neal, D. Kriegman, S. Belongie, P.J.Edmunds, D.I.Kline, B.G.Mitchell, *"Automated Coral Reef Image Annotation Using Computer Vision"*, International Coral Reef Symposium, 2012.

O. Beijbom, T. Treibitz, B. P. Neal, D. Kriegman, S. Belongie, P. J. Edmunds, D. I. Kline, B. G. Mitchell, *"Automated Coral Reef Analysis Using Computer Vision"*, American Society of Limnology and Oceanography Aquatic Sciences Meeting, 2011.

SERVICES

Östgöta Nation Student Choir   *Chairman*
Lund, Sweden   2004 - 2005
This student choir at Lund University has roughly 50 singers and I was responsibility for that they had a conductor, a place to rehearse, got concerts and had interesting music to work with.

Tekonomorden   *Founder*
Lund, Sweden   2002 - 2005
Founder, together with two friends, of a social network, Tekonomorden. Tekonomorden works with bringing students of economy and technology closer together by arranging exclusive dinners for invited members every semester.

HONORS & AWARDS

Scholarship, SEK 75.000, BLANCEFLOR foundation, 2012
Scholarship, SEK 20.000, Lars Hiertas Minne foundation, 2011
Best master thesis in networked vision, SEK 50.000, Axis communications, 2009
Outstanding master thesis award, SEK 20.000, Sparbankstiftelsen Skåne, 2007
Grant for graduate studies abroad, SEK 100.000, Sparbankstiftelsen Färs och Frosta, 2007

SKILLS

Languages: Native Swedish, fluent English, good Spanish and German
Computers: MATLAB, C, Java, Python, Prolog, OCaml