# Oscar Beijbom

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| CONTACT | UCSD, Department of Computer Science<br>http://vision.ucsd.edu/~beijbom/website<br>Nationality: Swedish | +1 858 888 2189<br>oscar.beijbom@gmail.com<br>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]

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