

CURRICULUM VITAE

Steven Puttemans

Kleine Nieuwedijkstraat 38D
2800 Mechelen, Belgium
(+32)(0)494/27.88.26
steven.puttemans@kuleuven.be
Date of birth: October 27th, 1985, Brugge

Education

PhD student : Doctor in <i>Applied Engineering (Computer vision)</i> Subject: 'Optimal object detection under application specific constraints'	2012 - now
Master of Science in <i>Artificial Intelligence</i> , KU Leuven <i>Graduated cum laude</i>	2011 - 2012
Master of Science in <i>Electronics - ICT</i> , KHBO - Oostende <i>Graduated cum laude</i>	2009 - 2011
Bachelor in <i>Electronics - ICT</i> , KHBO - Oostende <i>Graduated cum laude</i>	2006 - 2009
Industrial Engineer in Electronics - ICT, KHBO - Oostende	2003 - 2006
Extra training:	
▪ GPGPU programming using CUDA	2013
▪ BMVA Computer Vision Summer School	2013
▪ Pattern Recognition and Image Interpretation (at KU Leuven)	2013
▪ MVTEC Halcon 11 : Machine Vision Software	2012
▪ Cisco CNAP/CCNA - course (at 'Avondschool' Oostende)	2009

Skills

Administrative skills

Organize agenda, organize and track own planning
Good knowledge of Microsoft Office: Word, Excel, PowerPoint, Outlook

Technical skills

Software: C, C++, git, Github, Matlab / *Operating systems*: Windows & Linux / *Computer Vision*: image and video processing using OpenCV

Social skills

Perseverance
Flexible
Studious, 'quick learner'

Language Skills

Dutch: native language, very good, conversation and writing
English: good, conversation and writing
French: average, conversation and writing

Experience

Relevant work experience

Research Assistant Embedded and Applied Vision Engineering (EAVISE)
At KU Leuven - Campus De Nayer
Job description: Deeper look into object detection techniques for industrial applications 2012 - now
Research assistant on IWT-TETRA project TOBCAT 2012 - 2014

Co-worker Medical Imaging And Research Center (Internship) 2012
At UZ Leuven, Gasthuisberg, Leuven
Job description : Design of a validation metric for comparing 3D meshes in a craniofacial reconstruction procedure.

Co-worker EMC department (Internship) 2011
At TE Connectivity, Oostkamp
FMEC, Flanders Mechatronics Engineering Centre, Oostende
Job description : Design of a table scaled reverberation room for EMC measurement.

Co-worker IT department (Internship) 2009
At Industrial Incinerator IVOO, Zandvoorde
Job description: Design of an electronic web platform for administration.

Relevant spare time activities

Active forum moderator, contributor & bug fixer for the OpenCV open-source software package. 2012 - now

Organised AAA Vision Symposium (first edition) 2014

Active in youth scout movement (FOS Open Scouting)

- National volunteer - pedagogical subdivision 2008 - now
- (Head)leader boy scouts (11-13 years) 2006 - 2011
- (Head)leader cup scouts (6-7 years) 2001 - 2006

Other relevant experience

Childcare services (student job) 2011
Stekelbees, Boutersem

Co-worker IT department (student job) 2008
IVOO, Zandvoorde

Production Research department (student job) 2007
Daikin Europe, Oostende

References

Prof. Dr. Ir. Toon Goedemé, Head Researcher at Embedded and Applied Vision Engineering.
Professor at KU Leuven, Campus De Nayer.
Associated with KU Leuven ESAT\PSI-VISICS.

Contact: *toon.goedemé@kuleuven.be*

Prof. Dr. Ir. Dirk Vandermeulen, Professor at the Medical Imaging and Research Center.
Associated with KU Leuven ESAT.

Contact: *dirk.vandermeulen@esat.kuleuven.be*

Publications

Puttemans, S., Vanwolputte, S., Goedemé, T. (2016). *Safeguarding privacy by reliable automatic blurring of faces in mobile mapping images*. Proceedings of VISAPP2016. Rome, Italy.

Puttemans, S., Goedemé, T. (2015). *Visual detection and species classification of orchid flowers*. Proceedings of MVA2015. Tokyo, Japan.

Puttemans, S., Howse, J., Hua, Q., Sinha, U. (2015). *OpenCV 3 Blueprints: Expand your knowledge of computer vision by building amazing projects with OpenCV 3*. Packt Publishing, Birmingham.

Puttemans, S., Baldewijns, G., Croonenborghs, T., Vanrumste, B., Goedemé, T. (2015). *Automated walking aid detector based on indoor video recordings*. Proceedings of EMBC2015. Milaan, Italy.

Puttemans, S., Goedemé, T. (2014). *Optimal object categorization under application specific conditions*. Journal of Communication and Computer, 10 (12), art. nr. 3.

Puttemans, S., Goedemé, T. (2014). *Optimal object categorization under application specific conditions*. Proceedings of DCVISIGRAPP2014. Lisbon, Portugal.

Puttemans, S., Goedemé, T. (2014). *TOBCAT project results: Applying object categorization techniques in real-life industrial cases*. DSP Valley Newsletter, 15 (4), 9-9.

Puttemans, S. (2013). *TOBCAT: Industrial applications of object categorization techniques*. DSP Valley Newsletter, 3 (14), 9-12.

Puttemans, S., Goedemé, T. (2013). *How to exploit scene constraints to improve object categorization algorithms for industrial applications?*. Proceedings of VISAPP2013. Barcelona, Spain.

Puttemans, S. (2012). *From bones to faces: creation of a validation pipeline for craniofacial reconstruction*. Unpublished master's thesis, KU Leuven, Department of Engineering.

Baert, J., Espeel, L., Puttemans, S., Staelens, J. (2011). *Weighted multi-method user identification in gaming applications*. Annual Journal Of Electronics, Volume 5, Number 2, p. 5-8, Sozopol, Bulgaria.

Puttemans, S. (2011). *Design of a table sized reverberation room for conducting EMC testing on cables and connectors*. Unpublished master's thesis, University College KHBO-Oostende, Department of Industrial Engineering.

Puttemans, S. (2009). *Online data retrieval and reporting from the technical installation of an industrial incinerator*. Unpublished bachelor's thesis, University College KHBO-Oostende, Department of Industrial Engineering.

Other specifics

In possession of drivers licence B

Prepared to travel

Prepared to follow extra education

Followed instructor course in youth network Belgium

2011

Certificate of head animator in youth network Belgium

2009

Certificate of animator in youth network Belgium

2004