

# Pamuditha Udaranga Wickramasinghe

Doctoral Student  
School of Computer and Communication Sciences  
École Polytechnique Fédérale de Lausanne  
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<https://udaranga.github.io/>

## Fields of Interest

Computer Vision, Medical Image Analysis, Machine Learning.

## Education

<b>PhD in Computer Science</b> École Polytechnique Fédérale de Lausanne Supervisor: Prof. Pascal Fua	2017 - Present Lausanne, Switzerland
<b>Master of Science</b> <i>Major:</i> Computer Science École Polytechnique Fédérale de Lausanne <i>GPA:</i> 5.64/6.0	2014 - 2017 Lausanne, Switzerland
<b>Bachelor of the Science of Engineering</b> <i>Major:</i> Electronics and Telecommunication Engineering University of Moratuwa <i>GPA:</i> 3.98/4.2 (First Class Honors)	2009 - 2014 Moratuwa, Sri Lanka
<b>G.C.E Advanced Level Examination</b> <i>National Rank:</i> 5 (from among ~24,500 students)	2008 Sri Lanka

## Selected Publications

- U. Wickramasinghe**, E. Remelli, G. Knott, P. Fua, “Voxel2Mesh: 3D Mesh Model Generation from Volumetric Data,” in *International Conference on Medical Image Computing and Computer-Assisted Intervention (MICCAI)*, 2020,
- U. Wickramasinghe**, G. Knott, P. Fua, “Probabilistic Atlases to Enforce Topological Constraints,” in *International Conference on Medical Image Computing and Computer-Assisted Intervention (MICCAI)*, 2019,
- A. Perera, **U. Wickramasinghe**, V. Nik, J. Scartezzini, “Introducing Reinforcement Learning to the Energy sSystem Design Process,” in *Applied energy* , 2020,
- A. Perera, **U. Wickramasinghe**, V. Nik, J. Scartezzini, “Machine Learning Methods to Assist Energy sSystem Optimization,” in *Applied energy* , 2019,

## Work Experience

<b>Intern</b> <i>Supervisor:</i> Dr. Romain Rossier	Aug 2016 - May. 2017 Innovview
<b>Intern</b> <i>Supervisor:</i> Dr. Wyss Reto	March 2016 - Aug. 2016 ViDi Systems
<b>Research Assistant</b> <i>Supervisor:</i> Prof. R.D.Hersch	Sept. 2014 - Jan. 2016 LSP - EPFL
<b>Summer Intern</b> <i>Supervisor:</i> Prof. R.D.Hersch	July 2012 - Dec. 2012 LSP - EPFL

## **Achievements and Scholarships**

M.Sc Research Scholarship, IC-EPFL	Sep. 2014 - Jan. 2016
Dean's list in semester 1, 2, 3, 4, 7 and 8, University of Moratuwa	2009 - 2014
Dialog Merit Scholarship for Engineering Undergraduates, University of Moratuwa	2010 - 2013
Mahapola Scholarship for Engineering Undergraduates, University of Moratuwa	2009 - 2013

## **Technical Skills**

Programming languages : Proficient - Python, Matlab  
: Familiar with - C/C++, Java, Android, C#

## **Language Skills**

Sinhalese : Native language  
English : Fluent