

# Hongxu Yang

Data Science, Artificial Intelligence And Image Processing

- Experienced researcher in machine learning, deep learning, artificial intelligence
- First author of 10+ top international conference and journal publications in the field, and 2 patents
- Interdisciplinary collaborator with experiences in dataset collection, model design and deployment

## Work History

<b>2016-12 - Current</b>	<b>PhD Candidate &amp; Guest Researcher</b> <i>SPS-VCA, Eindhoven University of Technology &amp; IBS, Philips Research, Eindhoven, noord-brabant</i> <ul style="list-style-type: none"><li>• Initiated and developed AI-based instrument detection framework for cardiac catheterization.</li><li>• Conducted dataset collection on animal tissues and human patients for AI algorithm.</li><li>• Proposed novel algorithms for efficient and accurate 3D image segmentation.</li></ul>
<b>2015-11 - 2016-09</b>	<b>Master Thesis</b> <i>SPS, Eindhoven University of Technology/IMEC Holst-Centre, Eindhoven, noord-brabant</i> <ul style="list-style-type: none"><li>• Developed an autoregressive-based and posterior probability encryption algorithm for biometric.</li></ul>

## Education

<b>2016-12 - Current</b>	<b>Ph.D.: Artificial Intelligence</b> <i>Eindhoven University Of Technology - Eindhoven</i>
<b>2014-09 - 2016-11</b>	<b>Master of Science: Computer Science, Electrical Engineering</b> <i>Eindhoven University Of Technology - Eindhoven</i>
<b>2010-09 - 2014-07</b>	<b>Bachelor of Science</b> <i>Tianjin University/Nankai University - Tianjin, CN</i>

## Contact

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### WWW

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## Skills

Data management

Machine learning

Deep learning

Data analysis

Python

Matlab