


Woo-Jin CHO KIM

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PERSONAL DATA

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WORK EXPERIENCE

Current MARCH 2022	<p>Deep Learning Scientist at Ultromics Ltd, Oxford, UK <i>AI and Computer Vision</i></p> <p>Developed and rigorously tested deep learning models for echocardiographic analysis, playing a key role in validating FDA-cleared AI products that advance cardiovascular screening and diagnostics through comprehensive evaluation and quality assurance.</p> 
JAN 2022 SEPT 2021	<p>Research Intern at Ultromics Ltd, Oxford, UK <i>AI and Computer Vision</i></p> <p>Developed aleatoric uncertainty quantification for left-ventricle segmentation models. Enhanced cardiac amyloidosis model predictions via test-time augmentation.</p>

EDUCATION

AUG 2023 SEPT 2017	<p>Doctor of Philosophy in AI Enabled Medical Imaging King's College London Supervised by Dr. Pablo Lamata and Dr. Andrew King Thesis topic: Improving echocardiographic diagnostic accuracy</p>
SEPT 2017 SEPT 2016	<p>Master of Science in Computer Science Imperial College London Supervised by Dr. Panos Parpas</p>
SEPT 2015 SEPT 2012	<p>Bachelor of Arts in Engineering King's College London Supervised by Dr. Oleg Aslanidi</p>

SELECTED PUBLICATIONS

1. Cho Kim W. J.*, Beqiri A., Lewandowski A. J., Mumith A., Sarwar R., King A. P., Leeson P., Lamata P. [Automated Detection of Apical Foreshortening in Echocardiography Using Statistical Shape Modelling](#) *UMB* 2023
2. Cho Kim W. J.*, Beqiri A., Lewandowski A. J., Puyol-Antón E., Markham D. C., King A. P., Leeson P., Lamata P. [Beyond Simpson's Rule: Accounting for Orientation and Ellipticity Assumptions](#) *UMB* 2022
3. Bransby K., Beqiri A., Cho Kim W. J., Oliveira J., Chartsias A., Gomez A. [BackMix: Mitigating Shortcut Learning in Echocardiography with Minimal Supervision](#) *MICCAI* 2024
4. Bransby K., Beqiri A., Cho Kim W. J., Oliveira J., Chartsias A., Gomez A. [Multi-Site Class-Incremental Learning with Weighted Experts in Echocardiography](#) *ASMUS* 2024
5. Judge T., Bernard O., Cho Kim W. J., Gomez A., Chartsias A., Jodoin P. M. [Asymmetric Contour Uncertainty Estimation for Medical Image Segmentation](#) *MICCAI* 2023