


Chan-Chi Wang

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in <https://www.linkedin.com/in/chanchiwang/>

Employment

2020 – 2023  **R&D Optical Engineer**
Nano Patterning Technology Division, TSMC




Education

2018 – 2019  **M.Sc. in Advanced Chemical Engineering** with Distinction
Imperial College London, UK




2015 – 2018  **B.Eng. in Chemical Engineering** with First Class Honours
University of Manchester, UK

Research Experience


1.4nm Technology, Optimal Patterning Correction Department, TSMC

2023  Off-Axis Illumination and Polarization Optimization
 High Transmission Attenuated Phase-Shift Mask Evaluation
 Machine Learning Lithography Resist Model Implementation




3nm Technology, Optimal Patterning Correction Department, TSMC

2022  Machine Learning Resist-to-Etch Bias Model Implementation
 Model-Based Sub-Resolution Assist Feature Application by Guidance Map Method
2021  Automated Mask Repair Flow in Optical Proximity Correction Algorithm


Master's Project, Imperial College London

2019  Modeling of Transport Phenomena in a Methane Reduction Wearable Device for Cattle

Skills

Languages	 Strong reading, writing and speaking competencies in English and Chinese
Programming	 Python, Linux Shell, Calibre DRC, \LaTeX
Semiconductor	 Resolution Enhancement Technologies, Optical Proximity Correction, Computational Lithography, Applied Machine Learning

Award

2016  **BP Perry Book Prize**, University of Manchester
Awarded to the top 10% highest achieving students