

Je Hon Tan

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Education

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| 2017 | Georgia Institute of Technology Atlanta, Georgia, USA M.S. Mechanical Engineering GPA: 3.75 |
| 2016 | Georgia Institute of Technology Atlanta, Georgia, USA B.S. Mechanical Engineering (highest honor) GPA: 3.78 Concentration in Controls, Automation and Robotics |

Research Experience

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| 2022 - 2023 | Carnegie Mellon University Pittsburgh, Pennsylvania, USA <i>Visiting Researcher</i> Learning-based multiview stereo using fisheye cameras. Publication under review. |
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Work Experience

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| 2023 - | Defence Science and Technology Agency (DSTA) Singapore <i>Principal Engineer, AI-Enabled Autonomy, Digital Hub</i> Led team of engineers in robotics system integration and trials. |
| 2021 - 2023 | <i>Senior Engineer, AI-Enabled Autonomy, Digital Hub</i> Experimentation and prototyping of robot systems. Research collaboration with academic research institutions (CMU, MIT). |
| 2018 - 2021 | <i>Senior Engineer, Unmanned Ground Vehicles, Land Systems Programme Centre</i> Development of prototype applications, robotics and command-control systems. Provide consultation on robotics architecture and adoption within the whole-of-government. Management of robotics development and acquisition projects for defence and security. |
| 2017 - 2018 | DSO National Laboratories Singapore <i>Member of Technical Staff, Robot Autonomy Programme, Information Division</i> Motion planning for navigation in off-road unstructured environments. |
| 2016 | Krauss-Mafei Wegmann Kassel, Germany <i>Praktikant (Intern)</i> CAD reproduction of legacy vehicles. Subsystem assembly, environmental testing and qualification. |

Awards and Honors

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| 2019 | DSTA Individual Innovation Award |
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| 2013 - 2016 | Dean's List, Georgia Institute of Technology |
| 2015 | Tau Beta Pi (Engineering Honor Society) |
| 2013 | DSTA Undergraduate Scholarship |

Works in Progress

C. Pulling, **J. Tan**, Y. Hu, and S. Scherer, “Geometry-Informed Distance Candidate Selection for Adaptive Lightweight Omnidirectional Stereo Vision with Fisheye Images,” submitted to International Conference on Robotics and Automation (ICRA) 2024.