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|  | **Work** **History**   |  | | --- | | Tristan Kleinschmidt  Consultant & Senior Data Scientist |        |  |  |  | | --- | --- | --- | | **Feb 2019-now** |  | Consultant & Senior Data Scientist  *GAMMA – The Boston Consulting Group, Singapore*   * Leading Industrial Goods & Augmented Analytics topics in Gamma SEA * IG vessel arrival time prediction for leading global mining company using ML: precision increase of 5-15% * IG price forecasting of commodity markets using MIP optimization: $90m USD profit increase * IS&OP production scheduling optimization for pulp & paper mills, palm oil refineries: up to 10% margin improvement * Advanced Analytics training for global manufacturing & shipping industry stakeholders |  |  |  |  | | --- | --- | --- | | **2012-2019** |  | Principal Consultant  *The Simulation Group, Brisbane/Perth, Australia*   * Simulation Consulting Projects regional team lead * Copper concentrator design verification: defined maintenance & third-party logistics requirements to achieve production targets for $2.5bn greenfield project * Volume risk assessment of iron ore & coal capital projects: identified more robust designs worth additional $400m NPV * Capital expansion planning & operational improvements across iron ore, coal, copper and aluminium mining and processing, as well as public rail networks & brick making |  |  |  |  | | --- | --- | --- | | **2010-2011** |  | Project Officer - Airports of the Future  *Queensland University of Technology, Brisbane, Australia*   * Managed collaboration of 30 global research partners investigating future of air travel * Secured $900k AUD to establish Integrated Command & Control Facility for Large-Scale Critical Infrastructure Management * Team awarded 2011 Engineers Australia QLD Division Engineering Excellence Award for R&D * Published 3 peer-reviewed journal articles & 5 international conference papers, including airport passenger simulation |     **Education**       |  |  |  | | --- | --- | --- | | **2006-2010** |  | **Ph.D.: Electrical Engineering**  Queensland University of Technology - Brisbane, Australia |  |  |  |  | | --- | --- | --- | | **2005-2006** |  | **Master of Engineering Science: Computer & Communications Engineering**  Queensland University of Technology - Brisbane, Australia |  |  |  |  | | --- | --- | --- | | **2002-2005** |  | **Bachelor of Engineering: Electrical & Computer Engineering**  Queensland University of Technology - Brisbane, Australia |   **Hobbies**       * Running * Volunteering at parkrun * Travel * Photography |  |  | **Contact**      +65 9771 9781  kleinschmidt\_tf@yahoo.com.au www.linkedin.com/in/tristan-kleinschmidt-97947515    **Industries**      Industrial Goods    Transportation    Supply Chain    **Skills**      Problem Solving    Communication    Team Management      **Data Science Skills**      Digital twins, Simulation    Optimization    Machine Learning |  |

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