**Mentee Information for Mentorship**

**TomoWork Talent Acceleration Programme**

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| Name | Desiree Tan Li Shih | | |
| Institution | Tomowork | School | Nanyang Polytechnic |
| Diploma | Electronics, Computer & Communications (engineering) | Graduation Year | 2020 |

My Self-Introduction

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| Hi, I am Desiree Tan. I am a rather introverted, broad-minded, and diligent individual. Since young, I have been interested in tinkering with hardware, playing the piano, dancing, watching old films and television shows, and singing. I love both Arts and Science subject types. I also love classical and renaissance items, and reading mostly non-fiction literary material. I seek to constantly improve and be the best version of myself. |

My Educational Background

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| Nanyang Polytechnic  Diploma in Electronics, Computer and Communications  St. Anthony’s Canossian Secondary School  ‘O’ Level Certificate |

My Skills

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| * Dance * Playing piano * Building mini circuits * Thinking up ideas for various original prototypes * Coding |

My Work Experience (including Internship)

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| 2019 – 2020  NYP Final Year Project  2020  Internship (small company) – 1 month |

Industries I’m Interested and Why

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| Electronic Engineering, Chemical, Atomic Physics, Nuclear. I am interested mostly in these 4 particular industries because some of my ideas for inventions are based on chemistry at the atomic level & transmutation. I find these subjects interesting and like them, because there are thousands of chemical combinations which can be made possible involving some physics, and that has a foundation in engineering and making technology. |

Jobs and Roles I’m Interested and Why

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| Inventor – I want to make a lot of original products.  Hardware Engineer – I would like to fabricate hardware even if I don’t get to design it.  Software Programmer – If I cannot do hardware engineering, I would like to do programming & coding for devices and IoT.  Chemist – I would like to make different types of chemicals and sell them as resources to factories and industries that need them. |

Questions to my Mentor

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| What is the STEM sector like?  Do you know any organizations which give funding or resources to sponsor a potential idea for a prototype?  What do you like about chemistry at the atomic level? |