Tam Lock Yin

Email: tlockyin@gmail.com | Mobile: 96426840 | https://portfolio-fde6f.web.app/

Education

Nanyang Technological University, Renaissance Engineering Programme   **Aug 2016 – Dec 2020**
- Scholar programme (top 2% yearly cohort), awarded Renaissance Engineering Scholarship
- Master of Science in Technology Management and Degree in Engineering Science (Mechanical Engineering)
- CGPA: 4.21/5.0 (Second Upper Class Honours)
- Relevant Coursework: Human Computer Interaction, Management of Product Development, Product Design Engineering, Business Analytics and Applied Machine Learning

University of California, Berkeley   **Aug 2018 – May 2019**
- Relevant Coursework: Introduction to Computer Programming for Scientists and Engineers, Solid Modelling and CAD/CAM fundamentals

Hanyang University, Korea   **July 2017 – Aug 2017**

National Junior College   **Aug 2012 – Nov 2015**
- 5 Distinctions for A' levels, took H3 Physics

Work Experience

Singtel, Management Associate, Singapore   **May 2021 – Present**
- Product Innovator at NCS NEXT Product & Platforms, doing UI/UX and product design under the Singtel Management Associate Programme.
- UI/UX design and development for robotic nurse assistant using After Effects and Python (PyQt5), and robotic delivery payload design through 3D modelling and printing in Fusion360.
- Product design of new smart home solution for use in eldercare industry, from requirement gathering through interviews with nursing homes, to customer journey mapping and interface and interaction design of the solution through Figma. Solution shortlisted for IMDA Open Innovation Challenge.

Graphene Services, UI/UX Design Intern, Singapore   **May 2020 – Aug 2020**
- Designed interface and user experience of new company website.
- Market research and design of new scheduling and collaborative task delegation product and wireframing in Figma.

Partsmaster, Product Design Intern, USA   **May 2019 – Nov 2019**
- Assisted in the product design of a new telemetric hardware storage system through 3D modelling and physical prototyping. Updated manufacturing drawings for existing products.
- Mobile app layout and function prototyping of customer app for the new product through Adobe XD

Accesstech Engineering, Mechanical Engineering Intern, Singapore   **Jun 2017 – Aug 2017**
- Quality control testing of air flow and pressure and checking engineering drawings on-site.

Co-Curricular Activities

UC Berkeley, Innovative Design Club, Member of Gold Team   **Aug 2018 – Dec 2018**
- Branding and collateral design for school-based clients

NTU, Renaissance Engineering Club, Member of Publicity Team   **Aug 2019 – Aug 2020, 2017**
- Designed Publicity Materials and led skills workshop to teach design software to students

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NTU, Renaissance Engineering Club, Member of Social Welfare Team   **Aug 2019 – Aug 2020**
* Planning and executing social events for members in faculty

Skills

* 3D Modelling: SolidWorks, AutoCAD, Autodesk Inventor, Autodesk Fusion 360
* Adobe Suite: Photoshop, Illustrator, XD, Lightroom, After Effects
* Agile Product Management, Figma, Invision, Sketchup, Microsoft Word, Powerpoint and Excel
* Data Visualization & Analytics: R
* Programming Languages: HTML, CSS (Completed "Intro to Web App Development" at Smartcademy, Completed "Bootstrap Fundamentals" by Skillsoft, "ReactJS Bootcamp" by Skillsoft), C, Python
* Languages: Proficient in English and Mandarin

Hobbies and Interests

* Photography, Travelling, Rock Climbing, Learning Languages (Korean and Spanish)