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| Richard Hu I am passionate, reliable, and fascinated by technological innovations. | 88 Harbour Street, #2207  Toronto, ON  (647) 995-9055  richie.hu@mail.utoronto.ca |
| EDUCATIONUniversity of Toronto – *Mechanical Engineering BASc*Sept 2013 – Present Mechatronics & Bioengineering Stream, Robotics and Mechatronics Minor. GPA (3.81/4.00) EXPERIENCEConavi Medical, Toronto — *Mechanical Design Intern (Intravascular Catheter Team)*May 2016 – August 2017  * Led and prepared major technical design reviews with senior leadership in attendance. * Proactively established a flexible inventory system with full traceability for over 140 components. Led to improved plannability of major milestone and V&V activities, and ensured reliability of regulatory submission document. * Investigated potential design hazards that were on the project critical path by means of engineering design testing. * Led preparation of prototypes for third party regulatory testing activities such as Biocompatibility, Stability, Sterilization Validation etc.  NOTABLE PROJECTSAutonomous Maze Navigation Rover Design — *Software & Electrical Systems Engineer*September 2016 – December 2017  * Designed and programmed an autonomous rover that maneuvers through a maze while  Open Architecture Drone Capstone Design — *Project Manager* **Autonomous Turtle Bot Design–** *Team Member*  **Pico-Scale Hydro Turbine Variable Guide Vane Actuation Design –***Designer* | SKILLS*Technical*  * SolidWorks * Arduino * ROS * MATLAB & Simulink * Electro-Mechanical Systems Design * Machining  *Soft Skills*   * Teamwork * Project Management * Big Picture Thinking * Strong Work Ethics * Multitasking  AWARDS  * Shell Canada Limited Engineering Scholarship (2015) * University of Toronto Excellence Award (2015) * Dean’s Honour List (2014 ‑ present)  LANGUAGES  * English – Fluent * Chinese - Fluent  INTEREST Gadgets, Board Games, Films, Anime, Travelling for Food |