

Yujia Wang

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Work Experience

Workshop Presenter

(June. 2023-Now)

Scientists in School, Pickering, Canada

- Delivered hands-on science workshops to grade 5 students, with a dynamic and interactive learning environment.
- Possessed strong presentation skills, classroom management abilities, adaptability, and time management skills.

Social Media Content Creator

(Jan. 2020-Now)

- Self-operated a handcraft media account. Planned, recorded, and edited the whole creation processes, then published them on Bilibili which is one of the most famous video websites in China. At present, I have more than 6k followers. Over 400 videos are created. I have achieved 551k in total views and 38k in likes.

Junior Mechanical Engineer

(Nov. 2016-Dec. 2019)

Lumenwerx, Montreal, Canada

- Designed lighting fixture and created sheet metal parts and produced engineering drawing in Solidworks. Individually designed internal parts for surface mount and pendant mount of Cluster and Voila fixtures.
- Negotiated and interpreted the details of design with other departments, such as: manufacturing, shop drawing, purchasing. By building an 'assembly guide', I helped other teams to understand the new fixture and avoid mistakes during manufacturing.
- Prepared CAD assemblies of custom fixture patterns with Solidworks.
- Created detailed engineering drawings and bills of materials from fixture patterns.
- My hardworking and strong learning ability were recognized by my superior, therefore, I got promoted to R&D department.

Education

Web Development (Ontario Graduate Certificate)

(Jan. 2023-Now)

Humber College, Toronto, Canada

- Current average course grade is over 96%.
- Attended the Humber Game Jam. Designed and programmed a game in a group of 2.
- Core courses: HTML, CSS, JavaScript, SQL, C#, Interaction Design, PHP, Node.js.

Master of Engineering in Mechanical Engineering (MEng Non-Thesis)

(Sep. 2014- Feb.2017)

McGill University, Montreal, Canada

- Individually investigated the sintering shrinkage in binder jetting additive manufacturing process. After analyzing the different shrinkage rates in 3 dimensions, 1 set of sintering parameters is recommended, which improved the dimensional accuracies in 3 dimensions. (Publication at 45th SME North American Manufacturing Research Conference: <https://doi.org/10.1016/j.promfg.2017.07.077>).
- Core courses: Advanced Mechanics of Materials, Applied Mathematics, Fluid Dynamics, Advanced Dynamics, Composite Materials and Multidisciplinary Design Optimization.

Bachelor of Engineering in Mechanical Engineering (BEng)

(Sep. 2011-Jun. 2014)

University of Manchester, Manchester, UK

- Final year project: Individually investigated the factors affecting rail track buckling.
- Core courses: Fluid Mechanics, Mechanical Design, Solid & Structure, Thermodynamics, Heat transfer, Material, Engineering Manufacturing, Dynamics, Mathematics, Project Management.

Skills

- **Software:** HTML, CSS, JavaScript, SQL, C#, PHP, Node.js, SolidWorks, MATLAB, Microsoft Office.

Languages

- Mandarin Chinese: Native
- English: Fluent