

# Joseph Watson

1/F, No.30, Yue Kok Tsuen  
Tai Po  
Hong kong

(852) 5541 8371

[joseph.w.m.watson@gmail.com](mailto:joseph.w.m.watson@gmail.com)

[josephwmwatson.com](http://josephwmwatson.com)

[LinkedIn - Joseph Watson](#)

## EXPERIENCE

### Lam Gwong Design Company Ultd. - Owner

Founded in July 2020

I created Lam Gwong Design Company to serve as a resource for commercial product design, 3d modeling and CAD related services.

### Hanson Robotics Ltd. - CAD Engineer

Client

As a CAD Engineer consulting for Hanson Robotics I have provided training sessions to employees of Hanson Robotics focused on teaching advanced techniques in various CAD softwares, as well as designed and provided various mechanical parts for the use in their commercial robotics products.

### Art Roof Top Ltd. - CAD Artist

Client

As a CAD Designer with Art Roof Top I have created and installed large-scale mechanical designs for complex corporate art pieces on display in several large corporations throughout hong kong, including for the Adidas corporate headquarters, and Delta aluminium corporate headquarters.

### Innotalenz Ltd. - CAD Engineer

Client

As a CAD designer with Innotalenz I have designed and tested several mass-manufactured consumer products in the vacuum cleaner market. Including an autonomous robotics vacuum cleaning machine. My work includes DFM analysis and design for injection mold parts, sheet metals, CNC parts, thermoplastics etc, and design for safety testing compliance.

## SKILLS

### SOFTWARE

Solidworks

Keyshot

Geomagic

Zbrush

Maria

Houdini

Fusion

Rhino

Blender

MeshLab

Slicer Medical  
Viewer

Ansys

Ein-Scan Pro

ArtiSynth

### GENERAL

CAD engineering

Production and  
Manufacturing

Injection mold  
design

Vacuum form tool  
design

Die Casting mold  
design

Tool design  
NURBS surfacing  
Medical scan 3D reconstruction  
FEM analysis  
Figure Drawing  
Sculpting  
3d scanning / processing  
Raster mapping  
Animation  
3D Rendering

### **C-enterprise Ltd. - CAD Engineer**

Client

As a CAD designer with C - enterprise I have designed and tested several mass-manufactured consumer products in the power tool market. My work includes DFM analysis and design for injection mold parts, sheet metals, CNC parts, thermoplastics etc, and design for safety testing compliance.

### **Artech Design and Production Company Ltd. - CAD Designer & 3D modeler**

Client

As a CAD designer and Modeler I have designed and built multiple animatronic assemblies for use in research, and for commercial use in the theme park industry.

### **Freelance CAD Design, Hong Kong/ United States — CAD Designer**

October 2019 - February 2020

As a freelance CAD designer, I worked on multiple CAD design projects for Hong Kong, US, and China based clients, including design for many injection molded plastics, CNC milled metal parts, and digital character sculptures.

### **Hanson Robotics, Hong Kong/ United States — Robotics Engineer**

January 2016 - September 2019

As a senior CAD engineer at Hanson Robotics I led the CAD design for the head and neck of several humanoid robots including the world-famous robot "Sophia". My duties included full design and testing of the robotic heads, creating physics simulations of heat dissipation, airflow, and injected plastics flow, creating assembly instructions for outsources assembly tasks, conducting time and motion studies for assembly tasks and communication with Chinese manufacturers to coordinate the production of custom parts. I also spent a portion of my time working from Los Angeles in Collaboration with several Hollywood animatronics designers.

### **Hanson Robotics, Hong Kong/ United States — Full-time Paid Internship**

August 2015 - December 2015

Before I became an employee for Hanson Robotics I worked full-time as a paid intern there. My work focused on the design and construction of humanoid robotic prototypes.

### **Hensel Phelps Construction, United States — Construction worker**

May 2014 - September 2014

My job duties entailed erecting concrete formwork, erecting rebar, and pouring and demolding concrete structures. The main site I

## **LANGUAGES**

English, Cantonese, Spanish

worked at was for the construction of the international wing of the Hobby Airport in Houston, Texas.

**K3-BMI Oilfield services, United States — Maintenance Worker**

May 2013 - March 2014

As a maintenance worker for an oil field service truck center my job duties entailed warehouse organization, truck painting and maintenance, and forklift operation.

**EDUCATION**

**Chinese University of Hong Kong — Chinese Language**

January 2021 - Ongoing

**Hong Kong Polytechnic University — Biomedical Engineering**

August 2017 - May 2018

**UT Dallas — Biochemistry**

August 2014 - January 2016

**Alvin Community College — Associates Degree (Through Dual-Credit courses during High School)**

May 2011 - May 2013

**EXHIBITIONS**

**Hong Kong AAF (Affordable Art Fair) 2019 Spring Exhibition**

Exhibited and sold artwork at the Hong Kong AAF hosted at WanChai Convention Center in Spring 2019.

**Art Roof Top Ltd. — Founding Gallery Member**

A founding member of Art Roof Top Ltd. Hong Kong based art Gallery in Happy Valley, Hong Kong.

**Shenzhen City Art 2018 Fall Exhibition — Exhibitor**

Exhibited and sold artwork at the Shenzhen City Art Fair in Shenzhen, Fall 2018.

**Asia Contemporary Art 2017 Fall Exhibition — Exhibitor**

Exhibited and sold artwork at the Asia Contemporary Art Exhibition in Hong Kong, Fall 2017.

**Fotan Open studios Art Exhibition 2019 — Exhibitor**

Exhibited artwork and participated as a member of Joy art Club in the annual Fotan open studios exhibition in Fo Tan, Hong Kong.

**Fotan Open studios Art Exhibition 2018 — Exhibitor**

Exhibited artwork and participated as a member of Joy art Club in the annual Fotan open studios exhibition in Fo Tan, Hong Kong.

**Fotan Open studios Art Exhibition 2017 — Exhibitor**

Exhibited artwork and participated as a member of Joy art Club in the annual Fotan open studios exhibition in Fo Tan, Hong Kong.