

Elwin Ha

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SKILLS

DESIGN

Sketch
Principle
Illustrator
InDesign
Flash/AS3
SolidWorks
Keynote
HTML/CSS
JavaScript

ENGINEERING

MatLab
MicroRobotics
Photonics
Java/C#
COMSOL
Microfabrication/MEMS
AFM/SEM

EDUCATION

M. Design, 2016
*Hong Kong PolyU
International Design and
Business Management*

Honours BAsC, 2014
*University of Waterloo
Nanotech Engineering*

AWARDS

MIT Kickstart Hackathon
1st Place, Summer 2016

Outstanding Student
HK PolyU M. Des 2015/16

CLIENTS | DESIGN STRATEGY CONSULTING

Somfy

Developed new product ecosystem of connected products for Somfy. Key research considerations include Chinese demography, IoT technology ecosystem and APIs, cognitive psychology, and product design.

Starlite Ltd.

Developed offshoot child brand of Starlite by repurposing CTP aluminum plates. Key research considerations include aluminium material science, manufacturing technologies, and product design.

Vibram

Developed marketing campaign and strategy for Vibram to penetrate Chinese market. Key research considerations included Chinese demography, probe packages, app prototyping, and brand and graphic design.

Hong Kong Recycles

Developed new cost effective business strategy and overhauled logistics system through innovative mobile app and systems prototyping.

EXPERIENCE

Hong Kong Polytechnic University

Researcher – Photonics and Statistical Modeling

2012, 2013, 2014

Designed statistical failure rate model of a cycle slip offset estimation algorithm and analyzed existing carrier phase and frequency offset estimation algorithms for QPSK and 16 – QAM modulation schemes under the supervision of Professor Alan P.T. Lau.

Denmark Technical University

Researcher – Photonics and Nanomaterials

2012, 2014

Designed a low cost gradient refractive index antireflective substrate imprinted by black silicon passivated by mesoporous silica under the supervision of Professor Anders Kristensen.

Genesys Telecommunications Lab

Web UI Developer Intern

2011

Developed front-end service, and graphical user interface modules for a web based multi-tenant, hierarchical management system.

Top Hat Inc.

Evil Genius

2010

Designed, and developed mission critical Flash and JavaScript games/demos based on a number of university courses such as calculus, biology, organic chemistry, and digital design.