

KINKIT WONG

design portfolio: <http://2kdesigns.co.uk/>

SKILLS

Solidworks CAD	-	Multi-body modelling, working drawings & tolerancing
Keyshot	-	Photo realistic rendering
Software	-	Arduino IDE, MatLab, HTML & CSS
Electronics	-	Mechatronic prototyping
Adobe	-	Photoshop, Illustrator, InDesign, Premiere Pro
Prototyping	-	Lathe and Milling experience, FDM 3D Printing
Manufacturing	-	Contacting and organising product mass manufacture

CONTACT INFO

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KEY ACHIEVEMENTS

INNOVATE PRODUCT DESIGN

PRODUCT DESIGN ENGINEER & TEAM LEADER
(2019 - PRESENT)

Worked on a large variety of products that used my engineering, software development and electronics skills to create functional and aesthetic prototypes. Currently am a team leader with one intern.

MECHANICAL DESIGN & PROTOTYPING

Designed mechanisms that are currently at the patent-pending stage. Examples include a unique tripod mechanism, a spinning kids toy and a semi-automatic ejection system for a medical product. Mechanisms were designed on Solidworks and prototyped through 3D printing and bespoke machined parts, both from manufacturers in the far east and self-manufacture.

ELECTRONICS AND SOFTWARE

Assigned many mechatronic projects at Innovate. Developed electronic design skills and coding abilities. Worked on projects that require BLE communication & pairing as well as handheld hydraulic products controlled by peristaltic pumps. Comfortable coding and prototyping proof of concept electronic products.

MASS MANUFACTURE

Gotten multiple projects to the mass manufacture stage of the design process and helped some projects reach the market. Conversational in Mandarin and Cantonese. Helped with communication and cleared up roadblocks with multiple manufacturers in the far east. Produced professional BOMs, working drawings, sources suitable mass manufacturers and calculated retail prices with respect to manufacturing costs for multiple projects.

THE APPRENTICE

Took part in this year's 'The Apprentice' toothbrush challenge. Learned 3D character modelling and motion tracking (iClone and XSens) within a couple of months. Performed in a high-pressure environment with contestants constantly requesting design changes.

LANGUAGES

ENGLISH (native language)

MANDARIN (conversational)

CANTONESE (conversational)

RETHINK

(2021 - PRESENT)

Created and released a card game. The game was based on experiences in design teams and involved product design practices to encourage teamwork. Designed the card artwork, packaging and Kickstarter page. Liaised with manufacturers in China for reasonable manufacturing prices and organised payment and shipping after the campaign was completed. Shot and edited both campaign videos and performed social media outreach. Raised over £2500 for the first order of 300 units.

PAST EMPLOYMENT

BOSCH PROFESSIONAL LAWN & GARDEN

Year-long placement with 'BOSCH Professional Lawn and Garden'. Aided in both testing and creating test procedures from standards for a wide variety of gardening tools. Designed improvements to the current line of professional tools using CAD (PTC Creo Parametric) and prototyping. Involvement in the early concept and prototyping stage of many products.

ODEON & TOSSED 2 & 1 MONTH

Worked two part-time jobs during the summer between university terms. Tasks included cleaning, preparing food, running the till and general customer service. Was awarded employee of the month at both jobs.

EXTRA CURRICULAR ACTIVITIES

HIP HOP / BREAKDANCING

Started dancing at University as part of a society. Served as part of the committee for three years as 'Vice Hip Hop Leader', 'Hip Hop Leader' and 'Chairman'. Lead the Hip Hop team to three podium awards at competitions. Taught at a studio in Salisbury, running classes 2-3 times a month and choreographing for shows.

BASKETBALL

Avid basketball player and NBA watcher. Play pick up ball 2 times a week.

TENNIS

Completed a tennis leadership level 1 course and assistant coached children under 10 years old for 2 years.

EDUCATION

UNIVERSITY OF BATH

INTEGRATED DESIGN ENGINEERING (2014 - 2019)

1st Honours

User Centred Design	:	73%
Mechatronic Design I	:	74%
Solid Mechanics 4	:	79%
Fluid Dynamics	:	89%
Business Processes	:	74%

HAMPTON SCHOOL

A LEVEL (2012 - 2014)

A* (2)

Maths, Physics

A (1), B(1)

DT (Resistant Materials),
Further Maths

HAMPTON SCHOOL

GCSE (2009 - 2012)

A* (6)

Maths, DT, Physics,
Chemistry, Biology,
Mandarin

A (4)

French, History, English