

Xianzhi ZHANG

Engineer-Designer

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Education

Imperial College London & Royal College of Art

UK, 2019 - 2021

MA & MSc Innovation Design Engineering

Université de Technologie de Compiègne (UTC)

France, 2011-2016

Diplôme d'Ingénieur (Master's degree)
Mechanical engineering with a specialisation in industrial design

Université de Montréal

Canada, 2014

Exchange semester in the School of Industrial Design

Languages

English: Professional Working Proficiency

Chinese: Native Speaker

French: Bilingual Proficiency

Patent

Cuff-Type Monitoring Device For Monitoring Cardiovascular Parameters, publication number: 20200214578 [\[link\]](#)

Cuff-Type Monitoring Device For Monitoring Cardiovascular Parameters, publication number: 20200214577 [\[link\]](#)

Device for Analysing Cardiovascular Parameters of an Individual, publication number: 20200121197 [\[link\]](#)

Press

Dezeen [\[link\]](#) & Business Insider [\[link\]](#):
RCA students design phones that turn speech into physical sensations

Experiences

Withings - Lead Mechanical Design Engineer

France, Oct. 2016 - Jul. 2019

- Delivered two connected healthcare devices (rated 4.4/5, 843 Google reviews):
BPM Core: CES Innovation Awards 2019, distributed in Apple stores globally [\[link\]](#).
BPM Connect: distributed in Apple stores globally and Walmart in the US [\[link\]](#).
- Led the entire product cycle from research, mechanical design, prototyping, production, product testing to product launch.

EIT Health Wild Card - Finalist

UK, Jun. 2021 - Present

- One of the 4 finalists in the pain management challenge organised by the European Institute of Innovation & Technology venture incubator.
- Defined business model and value proposition through extensive user research (patients and healthcare professionals).

TANGIO LTD - Production Engineering Consultant

UK, Aug. 2020 - Sep. 2020

Consulted for production challenges of 2 consumer electronics, including product reliability testing, prototyping and design validation.

Imperial College Wellnovate entrepreneurship programme - Team Lead (phase 1)

UK, Feb. 2021 - Apr. 2021

Parrot Drone - Industrial Design Intern

France, Sept. 2015 - Jun. 2016

Groupe Renault - Assistant Programme Manager Intern

France, Feb. - Jul. 2014

Skills

Design

Sketching & Visualisation (Adobe Creative Suite, Keyshot); Concept development; 3D modeling (Solidworks, PTC Creo, Rhino, Grasshopper); Physical prototyping; User research; Figma

Engineering

Mechanical engineering; Design for manufacturing; Arduino; Quality control; Product reliability testing; Component sourcing; Project management