

Charlotte +41763701137
 Chao Ying charlotte.qin@qintheory.studio
 Qin charlotteqin.com

EDUCATION

2017- 2019 **MA** *Royal College of Art (RCA)* *London, UK*
MSc *Imperial College London*

two-year double master's course in Innovation design Engineering
 elective workshop at the School of Traditional Art, London
 business module with Venture Catalyst Challenge at Imperial College
 hosted event for intersex awareness featuring Stephen Fry at the RCA
 participated in Communicating Physics with Art at Imperial College London

2012- 2016 **BSc** *McGill University* *Montreal, Canada*

four-year bachelor's course in honours physics
 experimental experience in quantum optics, astrophysics, and particle physics
 summer student for ATLAS Experiment of CERN
 exchange student at University of Geneva
 honours thesis in medical physics

DESIGN (2017-present)

12.2019
 - present

ArtScientist
QinTheory Studio

unifying the field of art and science through by providing design and consultancy
 service in science communication, visualization, and interdisciplinary facilitation

11.2019
 - 05.2019

Research Assistant
Graduate Institute of Geneva *Geneva, Switzerland*

contributed to complexity science research in food security and resilience through
 climatic data visualization and prototyped mobile-based data collection tools

07-10.2019

Information Designer
Bell Labs *Cambridge, UK*

worked with A.I. scientists to create visualization of emotions and designed calm
 technology for the wearables and electronic information display

03-07.2019

Creative Technology Educator
blue{shift} *London, UK*

taught creative coding and robotics courses to children in private and group lessons

07.2018-
 03.2019

Design-Science Ambassador
CERN *Geneva, Switzerland*

facilitated a series of workshop and design-science collaboration between scientists
 and designers at CERN and the Royal College of Art

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ARTSCIENCE (2019–present)

- 06.2020–
present

Ecology & Geology
Oika Arts Programme
4-week course in ecological intelligence
- 11.2019

Neuroscience
Campus Biotech
Brainhack: collaborated to create sonification of fMRI data
- 10.2019

Quantum Physics
CERN, Geneva Switzerland
Quantum Futures Hackathon: explored new ways to communicate quantum physics
- 05.2019

Biology & Genetics
University of Edinburgh, UK
BioDesign Workshop: lab work and design fictions with mycelium networks

SCIENCE (2012–2016)

- 05-09.2016

Data Science
McGill University
Contributed to data science research in crowdsourcing
- 09.2015–
05.2016

Medical Physics
McGill University
Designed an algorithmic method to improve the precision of Intrabeam-based breast cancer radiotherapy
- 05-09.2014

Particle Physics
McGill University/CERN
Contributed to the design of the state machine that monitors the testing facility at McGill University for preparing the 2018 upgrade of ATLAS Experiment at CERN
- 07-08.2013

Solid State Physics
Chinese Academy of Sciences
Lab assistant to the research of ferromagnetism at extremely low temperature

SKILLS

- Languages

Chinese, English, French
- Programming

Python, HTML, CSS, JavaScript, Processing, Matlab, Mathematica, Arduino, Raspberry Pi
- Software

Adobe Photoshop, Illustrator, InDesign, and Premiere, Webflow, Rhino, QGIS