

Charlotte +41 76 370 1137
 Chao Ying charlotte@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 London
 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 fields of art and science through interdisciplinary research and collaborations, providing science communication and data visualization services

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

page continues

Charlotte +41 76 370 1137
 Chao Ying charlotte@qintheory.studio
 Qin charlotteqin.com

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