

**MARIA  
LI LOK YEE**  
BIOLOGIST / MAKER / EDUCATOR

## CONTACT

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www.marialilokye.com

## ABOUT ME

I am a Biologist, Maker and Educator aim at experimenting with ways to empower community with creative confidence to maximize positive social and environmental impact. I am passionate about impact innovation education, citizen science, and design for circular economy.

## EDUCATION

### CITY UNIVERSITY OF HONG KONG

2013 - 2016 | BSc (Honours) in Applied Biology

### HONG KONG COMMUNITY COLLEGE

2012 - 2013 | Associate Degree in Applied Science

## EXPERIENCE

**2019 - 2021**

### MAKERBAY FOUNDATION LIMITED

EDUCATION DIRECTOR & PROGRAM MANAGER

- Designed impact innovation curriculum
- Curated maker skill training programs
- Provided consultation to maker curriculum design at primary school
- Managed a revitalisation project, Touch Tung O!, employing design thinking

**2016 - 2021**

### DIY BIO HONG KONG

CO-FOUNDER & DIRECTOR

- Organised biology talks, biotechnology workshops and initiated citizen science project
- Oversaw operation of community bio lab

**2016 - 2019**

### MAKERBAY LIMITED

CITIZEN SCIENTIST & INSTRUCTOR

- Curated a Citizen Science Faire at PMQ to promote citizen science to the general public
- Delivered woodwork, laser cutting and 3D printing induction class to new members
- Designed and delivered maker skill training workshops

# MARIA LI LOK YEE

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## SKILLS

### BIOLOGY SKILLS:

- Recombinant DNA technique
- Culture of microbes
- Growth measurement

### TEACHING SKILLS:

- Innovative lesson planning

### DESIGN & MAKING SKILLS:

- Woodworking
- Laser cutting (illustrator, Inkscape)
- 3D design (Fusion 360, SketchUp)
- Physical computing (Arduino)
- Video editing (Premiere Pro)

2015

### CITY UNIVERSITY OF HONG KONG 2015 iGEM TEAM STUDENT TUTOR

- Provided assistance to the CityU 2015 iGEM Team to run synthetic biology experiments
- Built the team wiki page

2015

### CITYU APPS LAB WORKSHOP TUTOR

- Taught kids and adults in coding workshops including Code Avengers (Python and Javascript), Hour of Code, App Inventors 2.0 and scratch

2014

### iGEM COMPETITION 2014 WET LAB TEAM & WIKI DESIGNER

- Worked with a team of biologists and bioengineering students to engineering an E.coli that converts excess body fat to a beneficial fatty acid.
- Designed and built webpage for the project

## SPEAKING

2019      **MAKE TO INVENT - YOU CAN DO IT TOO!**  
PechaKucha Vol. 29, Hong Kong

**BRING YOUR PASSION BACK TO TEACHING!**  
Learning & Teaching Expo 2019, Hong Kong

**VALUE & IMPACT: VALUE INNOVATION IN  
EDUCATION**  
SparkNShare, Sparkraise, Hong Kong

2017      **DIYBIO BIOSAFETY SHARING**  
CUHK iGEM Team 2017, Hong Kong

## AWARDS

2014      **SUMMER RESEARCH SCHOLARSHIP SCHEME**  
Student Prize for Best Oral Presentation