

# Lieu Zheng Hong

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## PROFILE

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I am an A-Level graduate with the Hwa Chong Diploma with Merit, looking for a suitable internship to broaden my horizons before matriculating and starting work full-time.

An inquisitive mind who always strives to improve and seek excellence, I wish for a working experience that will challenge me and force me to think critically.

I am passionate about helping the underprivileged and learning as much as I can about software development, and I marry the two by teaching disadvantaged children programming and computational thinking.

## EDUCATION

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**Merton College, University of Oxford** 2017 – 2019

- To read Politics, Philosophy and Economics (PPE)

**Hwa Chong Institution** 2009 – 2014

- **GCE "A" Levels: 6 distinctions** 2014
  - A in H1 General Paper, Project Work
  - A in H2 Physics, Chemistry, Mathematics, Linguistics
- **GCE "O" Levels: 2 distinctions** 2011 – 2012
  - A2 in Chinese, Higher Chinese

## ACHIEVEMENTS

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**Best Soldier of the Month** 2016  
*Singapore Armed Forces, HQ Army Medical Services*

**SAF PRIDE Day Innovation Award (Silver)** 2016

- For conceptualising and developing a loan tracking system, which keeps a record of all items in storehouses and automatically sends SMSes to remind soldiers to return borrowed items.
- First such system in the SAF.

**Outstanding Student Award** 2014  
*Hwa Chong Institution*

**Best Delegate, Honourable Mention** 2011 – 2013  
*various Model United Nations (MUN) conferences*

## WORK AND LEADERSHIP EXPERIENCE

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### Co{de}llective

IMDA

Aug 2016 – present

- Co-found Co{de}llective at the behest of IMDA as part of its SGFuture engagement programme. We built a community that aims to promote coding and computational thinking among the public.
- Organised sessions and workshops for the public and recruited over ten committee members.
- Liaised with organisations and nonprofits like NUS Makers, C4SG and PRISM.
- Built a website and wrote posts about our activities to attract new members.

### Supervisor and tutor

Ulu Pandan Stars

May 2016 – present

- Took over the lead position to help students prepare for CodeXtreme 2016, an annual hackathon event. Taught them how to build games with Scratch related to FinTech.
- Currently guiding a team of students to build up their portfolio for Direct School Admission (DSA). The children will use Python and Javascript to build an Arduino smart home and a remote web client to control lights and burglar alarms from their phone.

### Programmer intern

Civil engineering consultancy

2015

- Developed a smart gallery system for an art gallery, a searchable database that allows gallery owners to find and display paintings in actual size.
- This allows gallery employees to show prospective customers a tailored selection of paintings (increasing the chances of one catching the customer's eye), even if the painting is sitting in a warehouse or the artist's studio.

### Welfare and publicity head

Hwa Chong Institution calligraphy club

2013 – 2014

- Used publicity materials to grow club membership by more than 100% in one year.
- Liaised with school management to have our works exhibited in school.
- Organised welfare events and rewarded members for winning top prizes at national calligraphy competitions.

## INTERESTS

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### Learning computer science

- I am an ardent supporter of massively open online courses (MOOCs). Currently learning computer science and data analytics on edX.
- Proficient in Python, JavaScript. Some knowledge of C.

### Doing community service

- I believe greatly in the need to contribute back to society and help those less fortunate in the best way I can. I actively involve myself in community projects.

### Writing calligraphy

- I practice regularly and write pieces for special events like Chinese New Year and Mid-Autumn Festival

