

# Wai Chuen Thomas TSOI

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## OBJECTIVE

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Seeking a challenging role as a full-time full-stack developer.

## PROFESSIONAL EXPERIENCE

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### Full-Stack Developer

Kowloon True Light School, Hong Kong

Sep 2019 – Jan 2023

- Developed in-house software for the school, including a portal system first with a **LAMP** stack and later a **MERN** stack to manage student data and simplify school operations.
- Collaborated with the data processing team to automate assessment data processing.
- Deployed a microservice using **Azure Machine Learning** and **Python** to help predict students' public examination results based on their past performances to facilitate career advice.
- Coordinated a team of teachers to build a **WordPress**-powered school website and its **PHP** plugins.
- Led a team of students to build a **Python** application to allow a humanoid robot to perform **NLP** tasks using **Google Dialogflow**.

**SKILLS:** [React](#) | [TypeScript](#) | [Express](#) | [MongoDB](#) | [PHP](#) | [MySQL](#) | [Azure](#) | [Python](#) | [WordPress](#)

### Freelance Web Developer

Holy Trinity College, Hong Kong

Sep 2018 – Aug 2019

- Implemented a backend dashboard for the school portal using **React**. Administrative tasks such as user account management, data import, backup and batch processing were automated.
- Supported school administration with a wide variety of data analytics generated from the database.

**SKILLS:** [React](#) | [Tailwind](#) | [MySQL](#)

### Full-Stack Developer

Holy Trinity College, Hong Kong

Sep 2010 – Aug 2018

- Developed an online learning platform and various software learning tools for the school.
- Created an iOS app in **Objective C** and an Android app in **Java** for the school.
- Designed, developed, and maintained the school website with a **LAMP** stack.
- Guided a team of students to participate in a programming competition to code a software robot tank in **Java** and won the championship.

**SKILLS:** [PHP](#) | [MySQL](#) | [jQuery](#) | [Bootstrap](#) | [Java](#) | [Objective C](#)

## EDUCATION

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### MSc in Data Analytics and Artificial Intelligence (Merit)

Hong Kong Baptist University, Hong Kong

Sep 2021 – Feb 2023

**SKILLS:** [React](#) | [Vue](#) | [Express](#) | [GitHub](#) | [Python](#) | [Jupyter](#) | [Data Analytics](#) | [AI](#) | [CI/CD](#)

### MA in Linguistics

University of Hong Kong, Hong Kong

Sep 2013 – Jan 2016

### MSc in Computer Science

Chinese University of Hong Kong, Hong Kong

Sep 2008 – Jul 2010

### BA in Linguistics

Chinese University of Hong Kong, Hong Kong

Sep 2002 – Jul 2007

## CERTIFICATIONS

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### **Certificate in Web Development**

Cantek, Canada

*Aug 2023*

**SKILLS:** React | TypeScript | Express | MongoDB | GitHub

### **Meta Front-End Developer**

Coursera

*Jun 2023*

**SKILLS:** React | JavaScript | GitHub | Figma | UI/UX

### **Azure AI Engineer Associate**

Microsoft

*Aug 2022*

**SKILLS:** Azure | AI | Cloud

### **AWS Certified Cloud Practitioner**

Amazon

*Jun 2022*

**SKILLS:** AWS | Cloud

### **Certificate in Cyber Security**

School of Continuing and Professional Studies, The Chinese University of Hong Kong

*May 2022*

**SKILLS:** Web Security