



# How to Find Your Way with Algorithms (MATT2920)

## Introduction

These days, if you are on the street and you are lost, you would use the “Map” application in your smart phone to guide you to your destination. Programmed into this app are algorithms - a “recipe” of some sort - that tell the phone how to find the shortest path to where you want to go. In this talk, we will discuss the concept of an algorithm and how this concept impacts modern day technology. We will then discuss the path-finding algorithms that are programmed in the “Map” application.

The Speaker, Dr Jonathan Tsai, obtained his PhD in Mathematics from the University of Cambridge in 2008. Since then he has worked at all levels of mathematics including cutting-edge research and high school mathematics education. His education philosophy is that any student, mathematically-inclined or not, would benefit from being able to “think like a mathematician”. In other words, how to think logically and rationally and critically - qualities required to excel in any field.

## Programme Type

Introductory Talk in Mathematics

## Speaker

Dr Jonathan Tsai

## Target Participants

- S1 – S3 HKAGE student members
- Class size: 40
- \* *First-come, first-served*

## Language

English

## Application Deadline **12 Aug 2019 12:00 n.n**

## Schedule



|       |  |
|-------|--|
| Date  | 16 Aug 2019 (Friday)   |
| Time  | 10:00 a.m. to 11:30 a.m. (Please arrive at 9:45 a.m. for registration) |
| Venue | Room 105, The Hong Kong Academy for Gifted Education                   |

## Enquiries



For enquiries, please contact us at 3940 0101 after language selection, press “1”.