Una Introduction

Microsoft Accredited AI Certificate Training Course & Platform for K-12 Students

MagiCube

Founder's background

- Dr. Leo Yeung, EdTech x TechEd Entrepreneur

Experienced in Tech Training, AI, Network Security, Privacy & E-learning Research
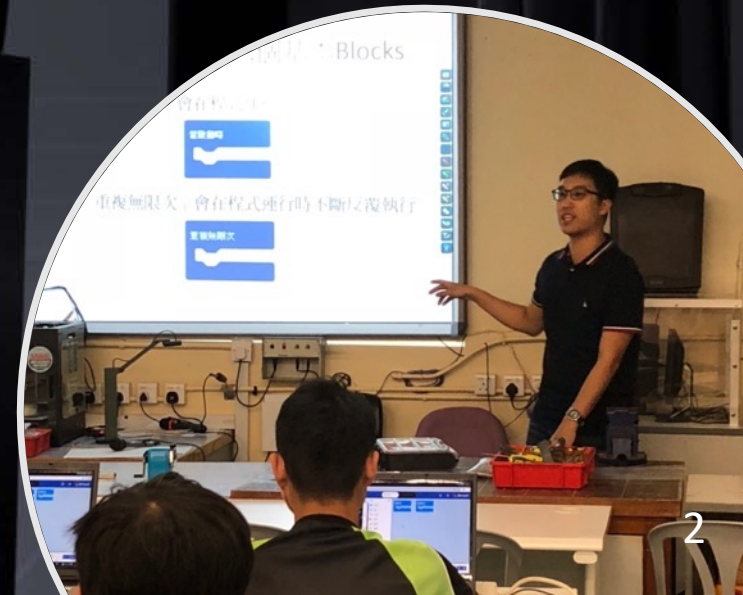
- **Adjunct Assistant Professor** at Dept. of Computer Science, The University of Hong Kong (HKU)

- **Part-time Lecturer** in Vocational Training Council (VTC)

- **Former Teaching Assistant** of Faculty of Education, HKU

Education

- **PhD in Computer Science**, HKU

- **BEng in Computer Science**, HKU (First-class Honor & Dean Honors List in all academic years)

- **Best Tutor Award**

UNDER RISING DEMAND OF TECH TALENTS

We realize **Tech Skills Gap** comes from **Conventional Education System**, that ...

- focuses on knowledge, not implementation
- focuses on replication, not creation
- focuses on lecturing, not interaction
- is in large class size

Result in students **learn STEM ineffectively**

- 80% of US high school students are either uninterested or non-proficient in STEM subjects
- 52% of US students think STEM subjects are too hard to pursue
- Students get limited attention from teachers during study, due to large class sizes

Supply of tech talents is decreasing!
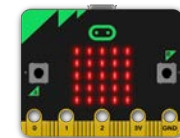**Nothing to solve this problem?**

Our Mission

Using a cloud-based interactive education platform to maximize teaching efficiency and learning effectiveness, starting from AI education

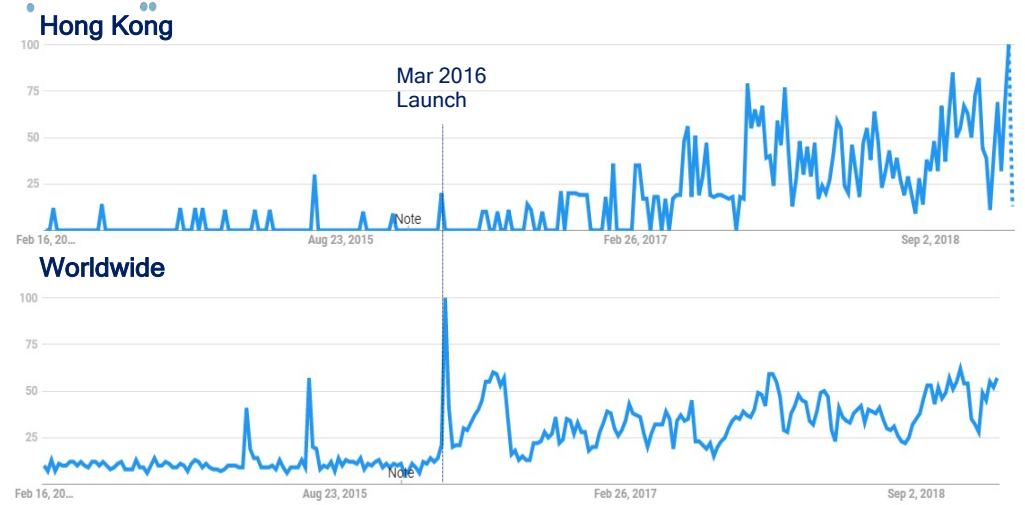# Engage Students Learning
by Creation and Interaction

Canada
UK
Denmark
Croatia
Japan
Singapore
Hong Kong

4.5 million
micro:bit are sold
supporting children
worldwide to learn
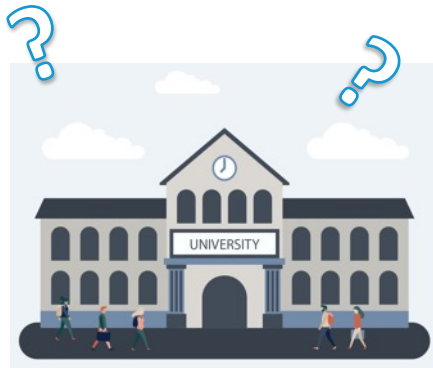**(20 million users)**

Since launched in UK
(2016)

30 million
Raspberry Pi are sold
supporting children to
code smart devices
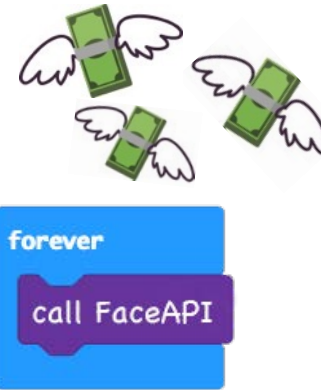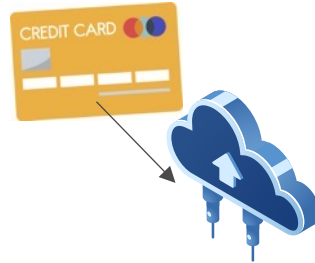
Since launched in UK
(2012)

Continue to grow every year!

Mar 2016
Launch

Note

100
75
50
25

Feb 16, 20...   Aug 23, 2015   Feb 26, 2017   Sep 2, 2018

Worldwide

100
75
50
25

Note

Feb 16, 20...   Aug 23, 2015   Feb 26, 2017   Sep 2, 2018

("micro:bit" from Google Trend)

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Key problems
in AI education

Entry Barriers
- Very **few** teachers understand Coding, STEM and AI
- General development tools require **prior knowledge** of text-based programming language (e.g. Python)

**Difficult to apply AI technology, especially when it requires a fee**
- Schools/Students have **no credit card** to subscribe and use cloud-based AI Services
- Easy to result in **overspending** by students' mistake

Limited learning management functions
- Cannot **monitor** student's learning progress in real-time
- Cannot support face-to-face, remote and after-class teaching **in one solution**

Our Solution – Una Platform
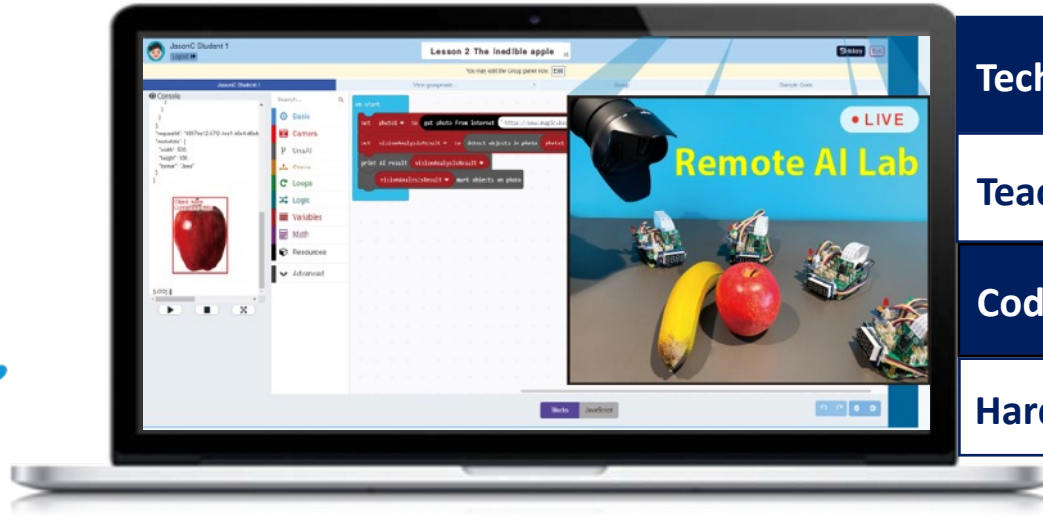
Technology: Cloud & Real-time Communication

Teaching Content: Prepared by Una / Self-upload

Coding Editor: Modified Microsoft MakeCode

Hardware: Micro:bit, Raspberry Pi, etc

Students can create **powerful AI devices with blocks-coding easily** using Microsoft AI, Google AI, Raspberry Pi, micro:bit and sensors

Una virtual classroom includes all **learning management** functions teachers need in blocks-coding AI lessons, e.g. **AI quota management**

Through real-time dashboard, teachers can **monitor** students' learning progress and provide **instant guidance** to students during or after class

Other Features

Sharing hardware in group ☑   Remote AI Lab ☑   Preload codes ☑   Collaborative learning ☑

Task-by-task learning ☑   Single Sign-On Login ☑   Cloud auto-save ☑   Q&A Session ☑   Shareable link ☑

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More features can be found on our website!

We Provide Two Types of AI Training
through Una Platform

Type 1 - Una's trainers deliver on-site/remote training for K-12 students

We are **Microsoft Global Training Partner**, specialized in providing AI training to **Aged 8+** youngsters

Step 1
Enroll in FREE online live trial class

Step 2
Enroll in 1-to-1 online class

Type 2 - Teachers subscribe Una Platform, learn by teacher training, then teach on cloud

Our **ALL-IN-ONE** solution combines teacher training, curriculum, pedagogy and tools, enabling teachers to catch up **quickly** in teaching Coding, STEM & AI

Una Virtual Classroom
Annual Subscription, starting with FREE accounts

Extension
Una Courses
Annual Subscription

AI Maker x AI-900 Course and enrollment detail can be found on our *website*!
Tailor-made (face-to-face) training and bulk order discount will be offered to schools

More details can be found on our *website*!

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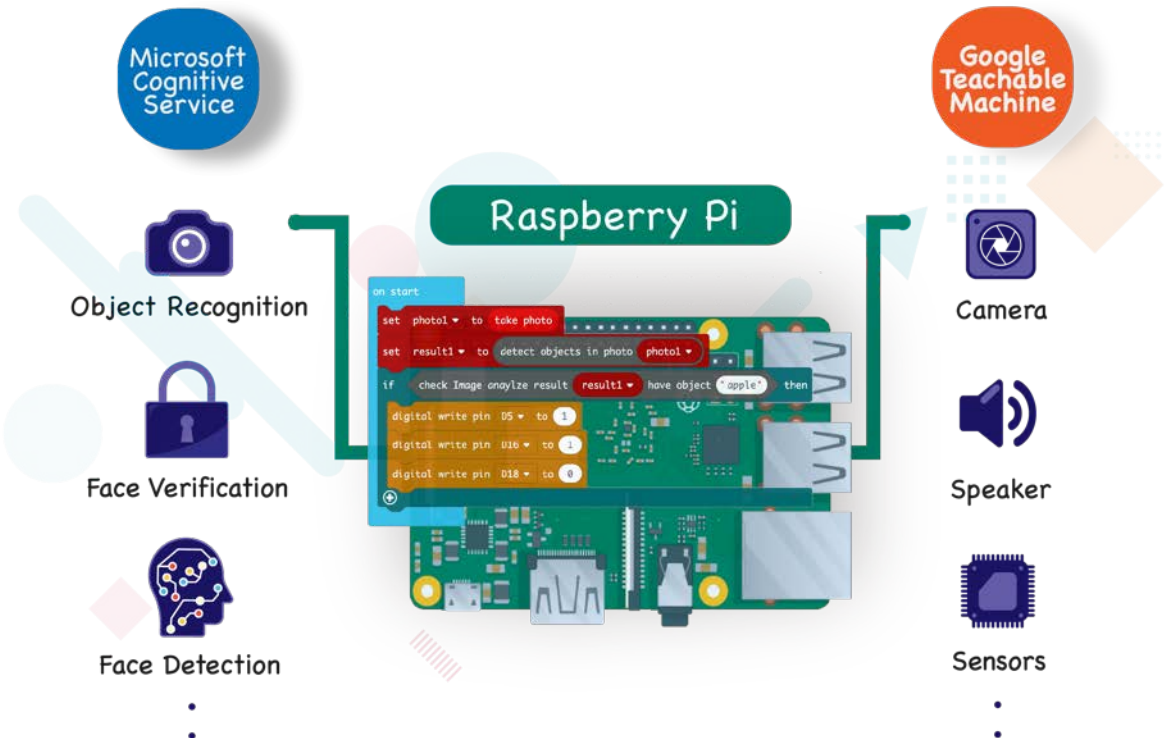# Learning objectives in our AI courses

Learn Microsoft accredited AI certificates knowledge

Obtain the first IT certificate in your life

Make powerful AI Devices easily using blocks coding

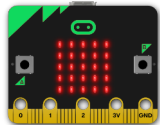Create your first AI application invention

Una x Microsoft
Core AI Courses

Blocks-coding

Apple 85%   Banana 93%

1. STEM Beginner

Introduced with STEM and interesting stories, engage students to learn the basic logic concept for coding

2. STEM Maker

Under the theme of smart city, learn advanced coding skills, electronics and scientific knowledge by applying different sensors

3. AI Maker

Learn AI usage and responsibility by applying different AI technology and training AI models with Microsoft Azure Cognitive Services and Teachable Machine
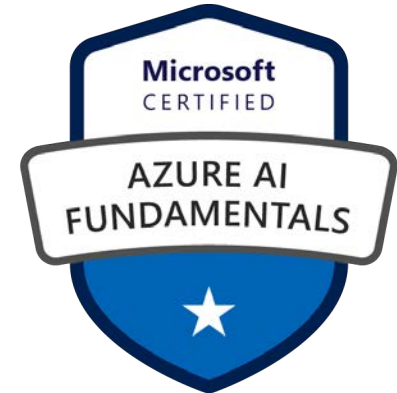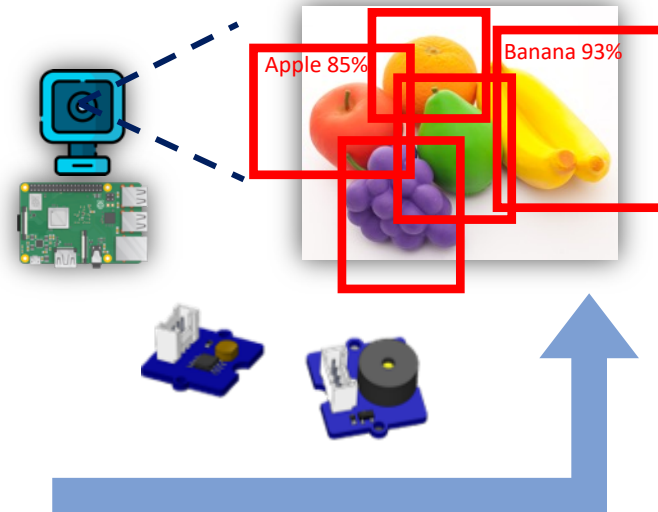
4. Microsoft AI Certificate (AI-900)

Una x Microsoft
Other AI Courses

No Coding
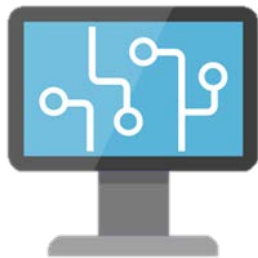
Python

Intelligent Kiosk

Learn and experience different
Microsoft AI technology by
Intelligent Kiosk

Python
Basic Coding

Learn Python basic coding
by the learning resource
from Microsoft Learn and
Microsoft Imagine Academy

Python x AI
Advanced Coding

Learn advanced Python coding,
data analysis, design and train
all kind of AI models, evaluate
AI solutions by the learning
resource from Microsoft Learn

Una x Microsoft
Specialized Training

Una

Microsoft in Education Global Training Partner
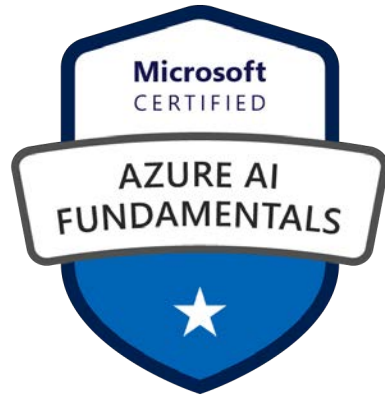
Microsoft

**Microsoft Certificates
Exam Preparation**
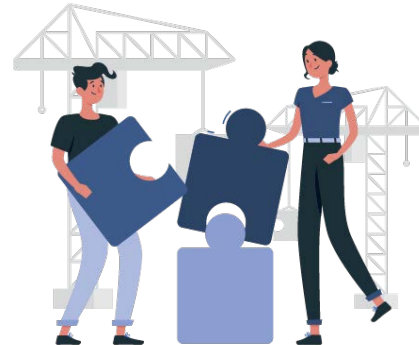
**Technology
Innovation Competitions**

**Internship
and Mentorship**

Tech for Social Good

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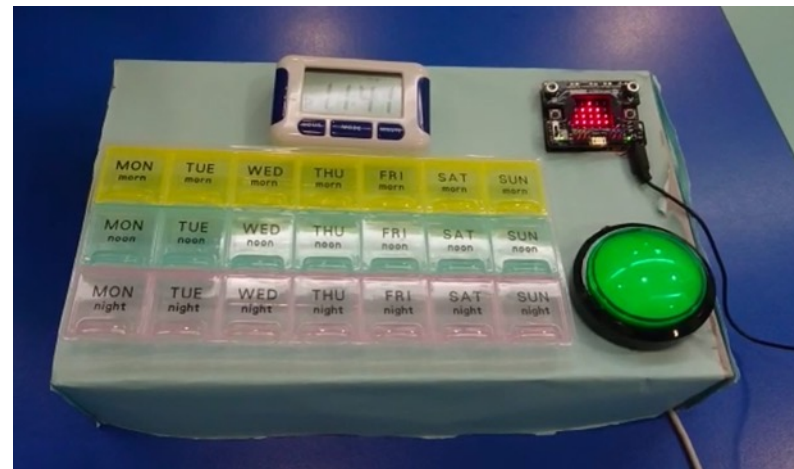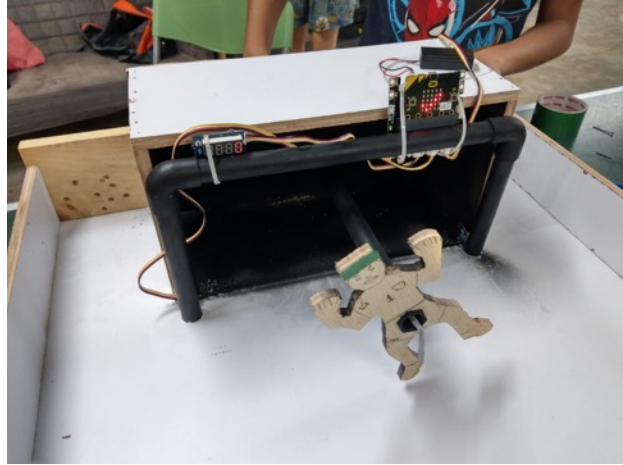
Students' AI Showcases

Pre-drowning Warning System
Youth Swim Team, Lam Tai Fai College
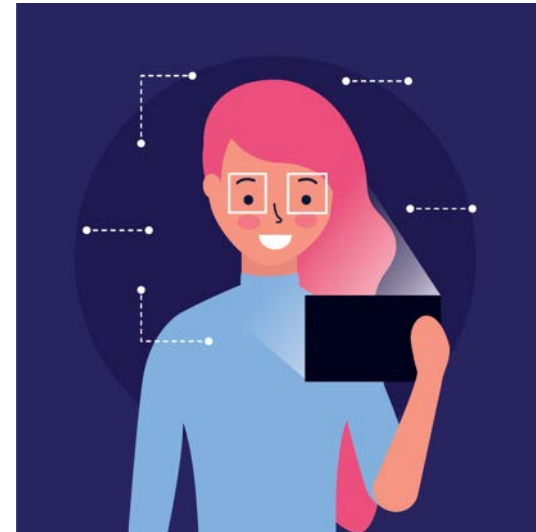
Eye Disease Detection Tool
Dr Eyes, Lam Tai Fai College

Una x Microsoft AI-900 Certificate Exam Preparation

Microsoft Azure AI Fundamentals Certificate (AI-900)

- Fundamental Level in Microsoft Certificates

- Understand Machine Learning, AI and related Microsoft Azure Services

Our Training Course

1) Live instructor-led lessons – 6 hours

- 4 hours exam preparation

- 2 hours mock exam with explanation

2) Pre-recorded videos self-study lessons – 4.5 hours

- 4.5 hours of Azure hands-on tutorial video exercises
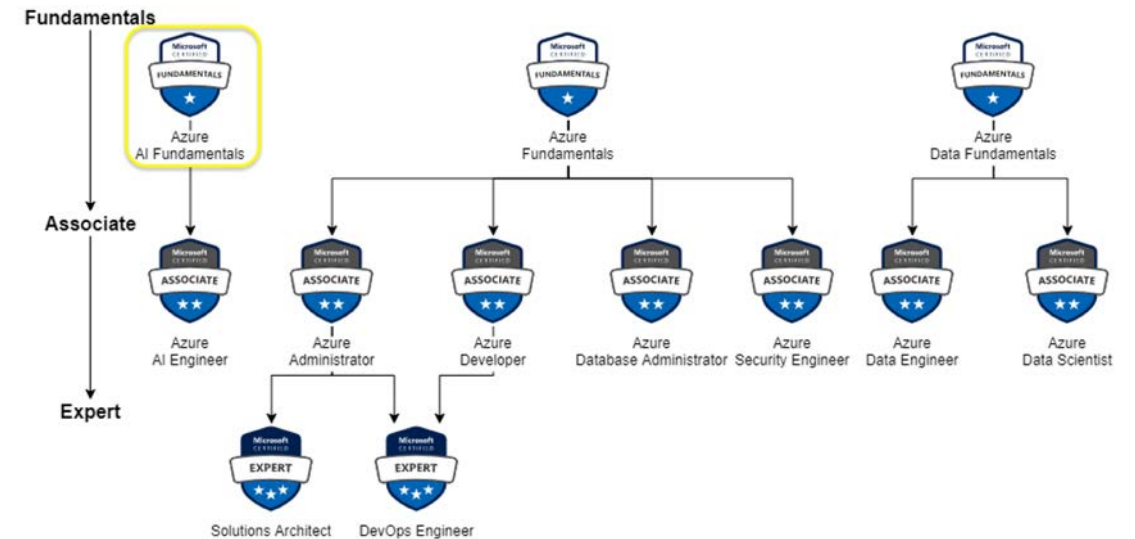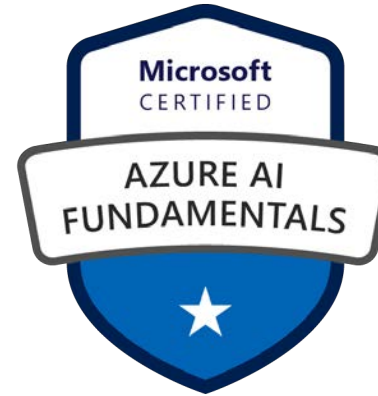
Technology Innovation Competitions Training

Build own innovative AI device and join different technology innovation competitions

For example,

- Microsoft Imagine Cup Junior

- HKICT Awards

- AI competitions organized by universities

- Do your :bit - micro:bit global challenge

Internship and Mentorship

Background:

- Provide **internship opportunity** for students to gain experience in IT industry

- Paired up **30+** mentors and mentees

Training:

- 1-day to 3-month internship with **techical training**

- Cooperate with other teammates to **complete a STEM/AI project**

Highlight:

- Gain working experience at **award-winning EdTech company**

- **Exchange idea & solutions** with engineering PhDs and experienced technical developers

Why choose us?

Why customers choose Una?

"T E A" Uniqueness

TechEd

✓ **PhD** computer scientist and engineer led training team, **trusted by Microsoft, Government and schools**

EdTech

Una Platform:

✓
- provides **easy** ways for teachers to teach AI and students to develop AI applications
- enhances **interaction** during learning and enables teachers to monitor students' learning progress
- supports **online & face-to-face** teaching

Accreditation

✓ **Microsoft** Global Training Partner, we are **authorized** to teach AI using Microsoft Content

VS

Trainers in the Market

✗
- Lack of professional qualification in both technology & education
- Neglect teacher training

✗
- Teach concept by PowerPoint only
- Lack of tools to apply AI technology
- Lack of hands-on exercises

✗ Lack of accreditation, only Microsoft authorized partner is legal to use Microsoft Content

Una Training on AI for 50+ teachers

Don't want your kids to lose out on tech ?

Enroll in Una's AI courses now and

get certification from Microsoft !

Royce, aged 12, is probably Hong Kong's first and youngest student to have obtained Microsoft AI-900 Certificate.

Una

Microsoft in Education Global Training Partner

Microsoft

Our partners

AI teacher training with IT Teacher Association (HKACE), Government (OGCIO), HKPC Innospace

AI teacher training with Government (EDB)

AI and SI Alliance with SenseTime, NGO alliance (HKCSS), University (CityU Apps Lab)

LTE Expo
- Teachers sharing by 7 schools
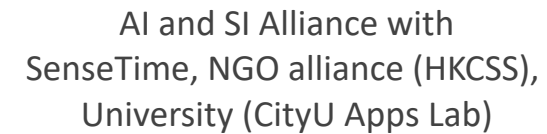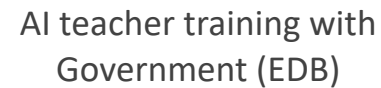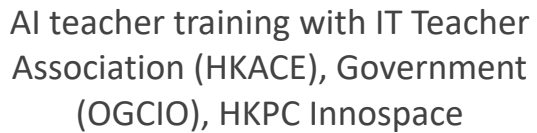
AI x Aviation Lab with AeroSim

Pre-STEP program training x Microsoft Imagine Cup Junior with Microsoft and HKSTP *(in the pipeline)*
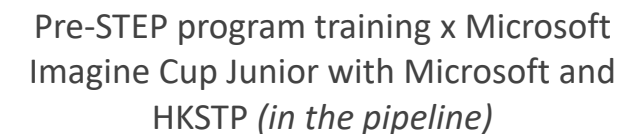
Renowned EdTech Awards and Honors

Testimonial

" Una can enhance students' cooperation skills while keep the fun part in learning coding!

John Tsang
Founder of **Esperanza** and
Former Financial Secretary of the HKSAR Government

" It is easy and convenient to upload my own teaching content onto Una. Una helps students to study in groups that cater to individual learning diversity.

Eric Leung
Vice-Chairman of **Association of I.T. Leaders in Education (AiTLE)** and
Head of Technology Education in **Munsang College (Hong Kong Island)**

" It's a breath of share to find a product that allows students to learn AI continuously at home. It is surprising that students can even test the coding result through a Raspberry Pi remotely. I appreciate that the lessons provide clear learning objectives and comprehensive design of assessments so that we can review what students have learned. Like!
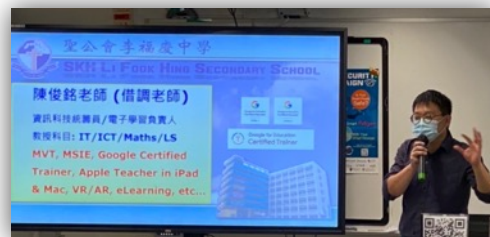

Jimmy Chan
Vice Chairman of Council of the **Hong Kong Association for Computer Education (HKACE)** and Head of IT committee of **SKH Li Fook Hing Secondary School**

" I am a science teacher without IT background, but Una helps me to conduct AI courses efficiently and solves problems encountered by teachers before, during and after class.

Jonathan Yau
STEM Education Coordinator of **Lam Tai Fai College**

" Una simplifies technical operations, and gives students more cooperation opportunities, also allowing them to take turns in pair programming.

William Luk
IT Panel Head and Head of STEAM Education of **HKBUAS Wong Kam Fai Secondary and Primary School (Primary Division)**

" School suspension could be a headache for many teachers who are teaching coding, especially when we want students to submit their work to us so that we can give them timely feedback. Una is ideal in solving our problems as the accounts are tied in with the Google Classroom accounts. The lessons are also well-paced and offer different levels of difficulties for students with different coding abilities. This platform provides great freedom for students to demonstrate their creativity and programming ability on the Challenge page. All students' works are collected onto the same platform, which becomes very convenient for teachers to manage and follow up on their work.

Pauline Ip
STEM & IT in Education Coordinator from **Diocesan Boys' School Primary Division**

Training Statistic

Award-winning
Online Education Platform

Teacher Training with Microsoft,
Government (e.g. **EDB, OGCIO**)
and Teacher Associations (e.g. HKACE, AiTLE)

Student Training
for Social Good

70+
Schools

16,000+
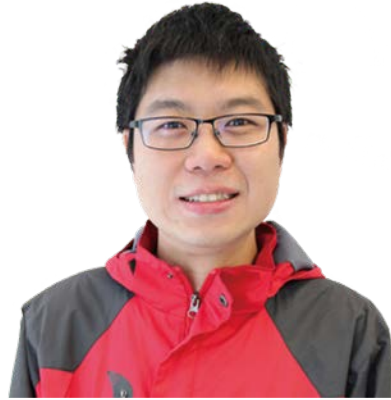**Students**

98%
Pass Rate

Our Core Team

Dr. Leo Yeung

Managing Director & Founder

- Adjunct Assistant Professor & PhD in Dept. of Computer Science, The University of Hong Kong (HKU)
- Part-time Lecturer in Vocational Training Council (VTC)
- Former Teaching Assistant of Faculty of Education, HKU
- Best Tutor Award, Dean Honors List & First-class Honor

Mr. Franklin Tse

CTO

- BEng in Computer Science, HKU
- 8+ years experience in system development

Dr. Jason Chan

COO

- PhD in Mechanical Engineering, CityU
- MSc in Energy Engineering, HKU
- Specializes in engineering design, computational thinking & EdTech

Our Advisors

Prof. S.M. Yiu

Advisor

- Professor and Associate Head (Development), **Computer Science** of The University of Hong Kong
- HKU Outstanding Teaching Award

Ir. Dr. Jonathan Chung

Advisor

- Associate Professor, Material Science & **Engineering**, CityU

Mr. Siu Wing Yeung

Advisor
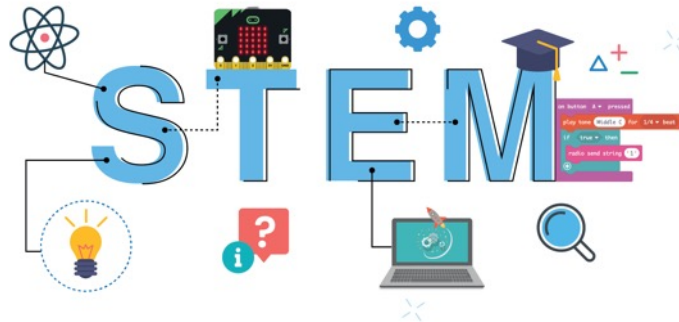
- Teaching Consultant, Department of **Education** Studies of HKBU

Try Una Trial Classes & Stay tuned with us!

Enroll Free Online Trial Classes

Micro:bit (STEM Beginner)

AI Maker x AI-900

➡ **More details on Una's Website:** www.una.study

Follow Us!

Facebook — una.study.platform

LinkedIn — una.study.platform

YouTube — UnaPlatform

We are looking for …

Hong Kong

Worldwide

Students

- Schools
- Parents
- Community & Youth Centers
- NGOs

Partners

- Resellers
- School Service Providers
- Training Centers

Trainers

- Cooperation
- Referral

Microsoft Accredited AI Certificate Training Course & Platform for K-12 Students

98% Pass Rate • 70+ Schools • 16,000+ Students

Join our team

FIND US AT

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