

# CHEK HOI, NICOLA WONG

Bsc Computer Science



Ipswich, UK | North Point, HK  
no working visa required



wongchekhoi@gmail.com



+44 7871607512



/nicola-wong1

REFERENCE AVAILABLE ON REQUEST

## </> TECH STACK

JAVA      REACTJS      SPRING BOOT  
PYTHON      REST API      HTML / CSS  
PYTORCH      DETECTRON2      TENSORFLOW  
GIT      DOCKER      CI / CD



## WORK EXPERIENCE

- 2021-

SOFTWARE DEVELOPER

AI Modelling (Contract)

Insight Robotics

Science Park, HK
- 2018-20

RESEARCH SPECIALIST

AI Modelling & Resource Optimisation

British Telecoms Plc - Applied Research

Adastral Park, Martlesham, UK
- 2017-18

TRAINEE JAVA DEVELOPER

Full-stack

Bertrams Books / Connect Books

Norwich, UK



## EDUCATION

- 2013-16

BSC (HONS) COMPUTER SCIENCE

Grade: First

/ UNIVERSITY OF EAST ANGLIA, NORWICH, UK
- 2010-13

HONG KONG DIPLOMA OF SECONDARY EDUCATION

Grade: 5\*, 5, 4 (~UCAS Tariff 330)

/ SACRED HEART CANOSSIAN COLLEGE



## LANGUAGE

- ENGLISH
- CANTONESE
- MANDARIN



## PROFILE

I am a **highly motivated** individual who is always looking for a challenge.  
I am also a **communicative** trilingual, a **passionate team player** and a **confident leader**.  
I have 4 years of experience in **Software Development** and am looking for work around the area of **Data Science**. Open to relocate **internationally**.



## PROJECTS

### OBJECT DETECTION: SATELLITE IMG

2021 - Ongoing | Insight Robotics

Developing AI solutions to detect objects in satellite images of Hong Kong - commissioned by Hong Kong Lands Department.  
Applied objection detection and semantic segmentation algorithms to the problem.

Detectron2      Pixel Manipulation  
Pytorch      Convolutional Neural Networks

### WORKFORCE SIMULATION

2018 - 2020 | BT - Applied Research

Simulated work-schedule of field workers stochastically in telecoms. Accelerating business decisions on workforce planning.

Algorithms-Design      Modelling  
Discrete-Event Simulation  
Spring Boot      ReactJS

### EV-FLEET TRANSITION

2020 | BT - Applied Research

Helped source and build data models from unstructured fleet and power data across BT. Helped plan the transition from using traditional fueled vehicles to electrical vehicles in the telecoms industry.

Data Cleaning      Data Visualisation  
Data Comprehension      Web Prototyping

### MUSIC GENRE CLASSIFICATION

2021 - Ongoing | Hobby Project

Filtering audio signals and extracting features from data with LPC and MFCC.  
Experimenting with Tensorflow libraries to classify audio data into musical genres using Long-Short-Term-Memory Neutral Networks.

Tensorflow      Audio Signal Processing  
Recurrent Neural Networks

### WORK ALLOCATION OPTIMISATION

2020 | BT - Applied Research

Explored different famous algorithms. Implemented a solution for the 'Assignment-Problem' applied to business use case. Pitched and deployed by the business.

Hungarian Algorithms      Research  
End-to-End Business Solution

### 3D BALLET SIMULATION APP

2016 | Final-year Project at UEA

Created an interactive 3D Ballet Tutorial app which acts as a 'Ballet Dictionary'. Where technical terms are illustrated by a motion-capture-animated 3D rig.

Unreal Engine 4      3D Modelling  
3DSMax      Research  
Visual Motion Capture



## ACHIEVEMENTS

Pivotal Spring:Core Training Course  
Completed 2017

ISTQB Foundation Tester Certification  
Acquired 2018

Podcast Co-creator  
2021 - Ongoing | Silly Conv Valley  
Co-created and co-hosting a Cantonese podcast on Technology and Lifestyle.

Self-producing / editing bi-weekly episodes. Utilized social platforms to publish and promote the show to engage with the audience.

Audio Editing      Broadcasting  
Creative Writing      Digital Marketing

Qualified (Nomad) Coding teacher  
2021 - Ongoing | Preface Coding  
Hosted a 5-day science workshop educating primary students on STEM.  
One-to-one instruction to teens and adults on programming and Machine Learning

Mentored Research Apprentice  
2020 | BT - Applied Research  
Gave technical guidance to a degree apprentice in my team on full-stack development.

Education      Effective Communication