



# CHEK HOI, NICOLA WONG

Bsc Computer Science

## PERSONAL INFO

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

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 /nicola-wong1

REFERENCE AVAILABLE ON REQUEST

## </> TECH STACK

JAVA	SQL	SPRING BOOT
PYTHON	MONGODB	TENSORFLOW
REACTJS	HTML / CSS	REST API
GIT	DOCKER	CI / CD

## 🗨 LANGUAGE

ENGLISH CANTONESE MANDARIN

## 📁 WORK EXPERIENCE

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

## 👤 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

### 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** Neural Networks.

Tensorflow Audio Signal Processing  
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

Full-stack Prototyping

### 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.

Implementing Algorithms Research

End-to-End Business Solution

### 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

### 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

### UEA OPEN DAY ANDROID APP

2016 | Team Project at UEA

Collectively developed 3 **Android** applications to aid potential students with their initial visit to the campus.

Demonstrated ability in **code-reuse** and adopting appropriate **design-patterns**.

Design Patterns Code Re-use

Agile Development Lifecycle

## 🏆 ACHIEVEMENTS

Pivotal Spring:Core Training Course  
Completed 2017

ISTQB Foundation Tester Certification  
Acquired 2018

**BT CHALLENGE CUP** (Semi-Finalist)  
2019 | BT - TEAM "DUCT DUCT GO"

A voluntary-based competition for employees from across BT to form teams and generate business cases to improve BT's services.

My role in our team "Duct Duct Go" was to assess the **impact** on resources upon employing a new engineering device in our operation.

Cross-Business Collaboration

Business Analysis

**Mentored Research Apprentice**  
2020 | BT - Applied Research

Gave technical guidance to a degree apprentice in my team on **full-stack development**.

**Volunteered in STEM education**  
2018-2020 | BT - Applied Research

Hosted workshops with primary students and teachers about computational thinking via coding with **Crumble** and **BBC Micro:bit**. Inspire young kids in pursuing STEM studies.

Mentoring Public Speaking