CHEK HOI, NICOLA WONG

Bsc Computer Science

PERSONAL INFO

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

wongchekhoi@gmail.com

+44 7871607512

/nicola-wong1

REFERENCE AVAILABLE ON REQUEST

TECH STACK

JAVA	SQL	SPRING BOOT
PYTHON	MONGODB	DATA SCIENCE
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 Neutral 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 intial 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 guidiance 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