CHEK HOI, NICOLA WONG

Bsc Computer Science

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

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/nicola-wong1

REFERENCE AVAILABLE ON REQUEST

</> TECH STACK

JAVA	REACTJS	SPRING BOOT
PYTHON	REST API	HTML / CSS
PYTORCH	DETECTRON2	TENSOFLOW
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 - comissioned by Hong Kong Lands Department.
Applied object detection and semantic segmentation algorithms to the problem.

`Detectron2` `Pixel Manipulation`
`Pytorch` `Convolutional Neural Networks`

MUSIC GENRE CLASSIFICATION
2021 - Ongoing | Hobby Project

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

`Tensorflow` `Audio Signal Processing`
`Recurrent Neural Networks`

WORKFORCE SIMULATION
2018 - 2020 | BT - Applied Research

Simulated work-schedule of field workers stochastically in telecoms. Accelerated business decisions on workforce allocation.

`Algorithms-Design` `Modelling`
`Discrete-Event Simulation`
`Spring Boot` `ReactJS`

WORK ALLOCATION OPTIMISATION
2020 | BT - Applied Research

Researched different famous algorithms.
Implemented appropriate solution for the 'Assignment Problem' applied to human-resources problem.
Pitched and deployed by the business.

`Hungarian Algorithms` `Research`
`End-to-End Business Solution`

EV-FLEET TRANSITION
2020 | BT - Applied Research

Sourced and built data models from unstructured fleet and power data across BT. Planned 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'.
Technical Ballet terms are illustrated by a motion-capture-animated 3D rig.

`Unreal Engine 4` `3D Modelling`
`3DSMax` `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

A Cantonese podcast on Technology and Cultural Lifestyle.

Self-producing and 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 sicence 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`