


WONG WEN WEI (ELIJAH)

Selangor, Malaysia

✉ elijahwongww@gmail.com

 <https://www.linkedin.com/in/wen-wei-elijah-wong-35b80522>

 <https://sciwalker.github.io/>

TECHNICAL KNOWLEDGE

ML/AI Frameworks	: Tensorflow, PyTorch
Math/ML Algorithms	: SVM, Neural Network, Fourier Transform, KNearest
Programming Languages	: Python, Javascript, HTML/CSS, Solidity
Cloud Deployments	: AWS (Serverless framework, ECR, State Machines, Sagemaker)
Blockchain	: Smart Contract (ERC-721)

FULL-TIME WORKING EXPERIENCE

Jan 2021 to Present **Lead AI Engineer**
Gamer2Gamer (G2G), Kuala Lumpur

Main roles and Job Descriptions:

1. Leading the AI team in development and architectural design of the eKYC product and its API deployments as AWS service
2. Supervision and involvement in the development of AI algorithms:
 - Fraud image detection by color and pattern analysis
 - Data extraction from ID document
 - Landmarks/objects detection and classification
 - Image quality detection and features extraction
 - Image forensic for detecting manipulation
3. Statistical Evaluation of AI models using PPV, NPV, f1 and other metrics.

Aug 2019 to Dec 2020 **Research and Development Engineer**
I-Serve Payment Gateway, Subang Jaya

Main roles and Job Descriptions:

1. Initiate and lead the Research and Development of IT and technological products, which include:
 - eKYC product
 - Visual QR codes
 - NFC scanning and payment technologies
 - AI face recognition and temperature checker system
2. Consultant and solution provider to AI projects:
 - Moire pattern detection
 - Facematch scoring equations and calculation system
 - eKYC scoring system

Aug 2013 to Aug 2019 **Lecturer (Physics)**
Tunku Abdul Rahman University College, Kuala Lumpur

PART-TIME EXPERIENCE

Oct 2021 to Present	NFT Game Development <ul style="list-style-type: none">• Code smart contract in solidity for ERC-721 token.• Team management and project coordination.
Aug 2021 to Apr 2022	Generative Arts NFT Project Development <ul style="list-style-type: none">• My own personal project. Trained generative arts using generative adversarial network (GAN) trained with open-sourced abstract arts collection, deployed as NFTs at opensea.
May 2021 to Aug 2021	Green House IoT Services <ul style="list-style-type: none">• Developed plant detection algorithms and designed prototype for plant harvesting robot• Built the front-end application for green house sensors• Developed and managed databases and applications on cloud platform
Jan 2017 to Dec 2017	Development of My Own Educational Website https://www.phymath.com <ul style="list-style-type: none">• Developed interactive physics simulations and quizzes

EDUCATION AND PROFESSIONAL DEVELOPMENT

2015 to 2017	Research on Quantum Photonics <i>Faculty of Science, University of Malaya (UM)</i>
2010 to 2013	Master of Science – Mathematical and Computational Physics <i>Institute for Mathematical Research, Putra University Malaysia (UPM)</i> <ul style="list-style-type: none">• CGPA: 3.75• Research: Conducted theoretical research on the geometrical space of two-qubit quantum states.• Honor: Recipient, Graduate Research Fellowship.

ACADEMIC PUBLICATION

1. Wong Wen Wei, Hishamuddin Zainuddin, Isamiddin Rakhimov. Linking Base Spaces of Hopf Fibration for Two-Qubit State Space Description, *Advanced Studies in Theoretical Physics*.