WONG WEN WEI (ELIJAH)

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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**

- Code smart contract in solidity for ERC-721 token.
- Team management and project coordination.

Aug 2021 to Apr 2022 — **Generative Arts NFT Project Development**

- 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**

- 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

- Developed interactive physics simulations and quizzes

EDUCATION AND PROFESSIONAL DEVELOPMENT

2015 to 2017 — **Research on Quantum Photonics**
Faculty of Science, University of Malaya (UM)

2010 to 2013 — **Master of Science – Mathematical and Computational Physics**
Institute for Mathematical Research, Putra University Malaysia (UPM)

- **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*.