


# WONG WEN WEI (ELIJAH)

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## TECHNICAL KNOWLEDGE

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<b>ML/AI Frameworks</b>	: Tensorflow, PyTorch
<b>Math/ML Algorithms</b>	: SVM, Neural Network, Fourier Transform, KNearest
<b>Programming Languages</b>	: Python, Javascript, HTML/CSS, Solidity
<b>Cloud Deployments</b>	: AWS (Serverless framework, ECR, State Machines, Sagemaker)
<b>Blockchain</b>	: Decentralized Finance (DeFi), Liquidity mining, Yield farming

## FULL-TIME WORKING EXPERIENCE

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**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

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Oct 2021 to Present	<b>NFT Game Development</b> <ul style="list-style-type: none"><li>• Code smart contract in solidity.</li><li>• Team management and project coordination.</li></ul>
Aug 2021 to Apr 2022	<b>Generative Arts NFT Project Development</b> <ul style="list-style-type: none"><li>• My own personal project. Trained generative arts using generative adversarial network (GAN) trained with open-sourced abstract arts collection, deploy as NFTs at opensea.</li></ul>
July 2021 to Present	<b>Decentralized Finance</b> <ul style="list-style-type: none"><li>• Experimented with liquidity mining, yield farming and staking in multiple blockchain, e.g. ethereum, solana, radix dlt, harmony one, polkadot, avax, etc</li></ul>
May 2021 to Aug 2021	<b>Green House IoT Services</b> <ul style="list-style-type: none"><li>• Developed plant detection algorithms and designed prototype for plant harvesting robot</li><li>• Built the front-end application for green house sensors</li><li>• Developed and managed databases and applications on cloud platform</li></ul>
Jan 2017 to Dec 2017	<b>Development of My Own Educational Website</b> <a href="https://www.phymath.com">https://www.phymath.com</a> <ul style="list-style-type: none"><li>• Developed interactive physics simulations and quizzes</li></ul>

## EDUCATION AND PROFESSIONAL DEVELOPMENT

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

## ACADEMIC PUBLICATION

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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*.