


WONG WEN WEI (ELIJAH)

Selangor, Malaysia

✉ elijahwongww@gmail.com

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

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

☎ +6014-9294419

TECHNICAL KNOWLEDGE

ML/AI Frameworks	: Tensorflow, PyTorch
Math/ML Algorithms	: LightGBM, Neural Network, Fourier Transform, KNearest
Programming Languages	: Python, Javascript, HTML/CSS
Cloud Deployments	: AWS (Serverless framework, ECR, State Machines, Sagemaker), CI/CD

PROFESSIONAL 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 solutions, serverless deployment and monitoring (MLOps)
2. Collaborated with stakeholders to understand business requirements and identify key areas of opportunity for AI implementation.
3. 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
4. Statistical Evaluation of deployed AI models.
5. Database design and maintenance
6. LLM fine-tuning and prompt engineering

Achievements:

1. Established and implemented a scalable AI research and deployment infrastructure from ground-up, including data storage, end-to-end MLOps and compute resources.
2. Reduced the eKYC human and computation costs by providing in-house AI solutions.

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

NON-PROFESSIONAL EXPERIENCE

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

May 2017 to Present Owner and Developer of www.phymath.com

- Physics and AI simulation
- Educational content
- Web development using vanilla html/css/javascript

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.