Iye Szin ANG, MSc
Seeking job in AI, Data Science and Software Engineering

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Born on 21 October 1994 in Malaysia
Work visa required for Austria

▤ SKILLS

Programming Languages	**Python**, **MATLAB**, C/C++, JavaScript, VBScript, HTML, CSS
AI & Machine Learning	**TensorFlow**, PyTorch, Keras, scikit-learn, OpenCV
Data Science & Analytics	NumPy, SciPy, pandas, Matplotlib, IBM InfoSphere DataStage, IBM InfoSphere Data Replication, Tableau
Development Tools	**Git**, Visual Studio Code, LaTeX, Anaconda, Microsoft Office
Technical Skills	**ROS2 - Robotics**, ETL, data warehouse concepts, image processing, signal processing, mobile development, ColdFusion
Soft Skills	Project analysis, problem solving, collaboration in interdisciplinary teams, R&D

💼 PROFESSIONAL EXPERIENCE

March 2025 – November 2023

University Assistant, MONTANUNIVERSITÄT LEOBEN, Austria
- Contributed to a research initiative in developing AI solutions for classifying tunnel excavation materials for recycling applications
- Optimization of deep-learning algorithms for precise material classification based on spectrography data with PyTorch and TensorFlow
- Proposed and developed hybrid ML system combining mineral assemblage rules with data-driven analysis for excavated material classification
- Served as teaching assistant for Applied Machine Learning course and provided technical guidance to student projects; prepared and presented an introduction to Git version control
- Collaborated with interdisciplinary teams including researchers and industry partners to identify key requirements and propose innovative solutions for sustainability in construction
- Documented research, development, and testing processes with technical reports

Machine Learning | Deep Learning | AI | Python | TensorFlow/PyTorch | Data Analysis | Research Methodology
Technical Documentation | Project Management | Mentoring | Git | Academic Writing | Sustainable Engineering

September 2023 – February 2023

Research Intern, MONTANUNIVERSITÄT LEOBEN, Austria
- Conducted research in gesture recognition and developed deep learning methods for sign language recognition
- Implemented robotic hand system for translating text to sign language gestures
- Created comprehensive human-robot interaction framework using sign language
- Documented research, development, and testing processes with technical reports and user manuals

Deep Learning | Computer Vision | Robotics | ROS | Python | TensorFlow/PyTorch | Motion Planning | Signal Processing
Technical Documentation | Research Methodology | Git | Hardware Integration | Academic Writing

September 2022 – June 2022

Research Intern, UNIVERSITY OF GRANADA, Spain
- Developed and tested mobile application for color vision deficiency (CVD)
- Built recoloration options and conducted trial phase testing
- Implemented cross-platform mobile app ensuring iOS and Android compatibility
- Documented testing process and provided feedback for future iterations

React Native | Flask | Python | JavaScript | REST APIs | Mobile Development | UI/UX Design | Color Theory
Image Processing | Git | Technical Documentation | Software Testing | Cross-platform Development

August 2021 – February 2020

Business Intelligence Consultant, STURNGROUP, Kuala Lumpur, Malaysia
- Designed and developed analytical and reporting solutions for clients
- Leveraged ETL data warehousing and visualization tools for improved insights
- Analyzed multiple data sources to uncover key business trends
- Managed data integration, quality assurance, and deployment processes

SQL | VBA | ETL | Data Warehousing | Power BI/Tableau | Data Visualization | Business Analytics | Database Design
Report Writing | Project Management | Requirements Analysis | Data Modeling | Client Communication
Stakeholder Management

January 2020 December 2018	**Software Developer**, MERIMEN ONLINE, Selangor, Malaysia
	› Developed web-based solutions for claim processing in SE Asian motor insurance industry
	› Enhanced existing functionality using various web technologies
	› Utilized Agile methodologies for project management
	› Maintained stakeholder communication and engagement

JavaScript · jQuery · HTML · CSS · SQL · ColdFusion · Version Control · Agile Methodology · SDLC · Web Development · Insurance Domain Knowledge · Database Management · Testing

🌐 LANGUAGES

German	Basic knowledge (A1, A2 in training)
English	Fluent (C1-C2)
Mandarin	Fluent (C2)
Malay	Native language
Hokkien	Native language
French	Basic knowledge (A1-A2)
Japanese	Basic knowledge (A1-A2)

➕ PERSONALITY

› Motivated
› Autonomous
› Data-focused
› Problem-solving
› Multi-cultural adaptability

🎓 EDUCATION

2024	Nordic Probabilistic AI School, hosted by Pioneer Center of Artificial Intelligence at University of Copenhagen.
2023	ASAI National Summer School in Artificial Intelligence, hosted by the Center for Artificial Intelligence and Machine Learning (CAIML) at TU Wien.
2021-2023	Erasmus Mundus Joint Master (EMJM) Photonics for Security Reliability Sustainability and Safety > University Jean Monnet, France. Master of Science Diploma in Optics, Image, Vision, Multimedia. > University of Eastern Finland, Finland. Master Of Science in Photonics > University of Paris-Est Créteil, France. Master of Science Diploma Optics, Image, Vision, Multimedia with the specialization "Biometrics and Intelligent Vision".
2020	365 Data Science's course on PowerBI, Tableau, SQL + Tableau.
2020	Google Cloud's course about Google Cloud Platform technologies, Big Data and Machine learning. **Link to** badges .
2014 - 2018	Bachelor's Degree in Computer Science. Universiti Malaysia Sabah, Malaysia.

💡 AWARDS & HONOURS

› Scholarship recipient in the Master's program 'Photonics for Security, Reliability, Safety' (PSRS Consortium)
› Microsoft Azure Most Potential Project Award – InvestHack 2020 - Organized by Bursa Malaysia

🍃 VOLUNTEER EXPERIENCE

› UMS Bon Odori Festival 2016 - Led organization of annual Bon Odori Festival, coordinating with Japan Embassy in Kota Kinabalu, local Japanese schools, and volunteer teams to strengthen Malaysia-Japan cultural relations
› Volunteer of Trash Hero Borneo - Participated in weekly beach clean-up initiatives to combat marine pollution and promote environmental awareness