

# ANG Iye Szin

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## EDUCATION

- 2023-current    **PH.D. in Artificial Intelligence and Robotics**  
**Chair of Cyber-Physical-Systems**  
Montanuniversität Leoben, Austria  
Advisor: Univ.-Prof. Dipl.-Ing. Dr.techn. Elmar Rueckert – [elmar.rueckert@unileoben.ac.at](mailto:elmar.rueckert@unileoben.ac.at)
- 2021-2023    **MSC. Erasmus Mundus Joint Master Degree (Photonics for Security Reliability and Safety)**  
**Specialization in Biometrics and Intelligent Vision**  
Université Jean Monnet, University of Eastern Finland, University Paris-Est Créteil  
Master Thesis: ROS2-based Human-Robot Interaction Framework using Sign Language  
Advisor: Univ.-Prof. Dipl.-Ing. Dr.techn. Elmar Rueckert – [elmar.rueckert@unileoben.ac.at](mailto:elmar.rueckert@unileoben.ac.at)
- 2014-2018    **BSCS. Software Engineering, Universiti Malaysia Sabah, Kota Kinabalu. (CGPA: 3.58/4.0)**  
Undergraduate Thesis: Identifying Danger in Underwater Environment using Deep Learning Based on Object Detection Models.  
Advisor: Assoc. Prof. Ts. Dr. – [ralfred@ums.edu.my](mailto:ralfred@ums.edu.my)

## PROFESSIONAL EXPERIENCE

- 2023    **Research Intern** Chair of Cyber-Physical-Systems, Montanuniversität Leoben, Austria.  
Conducted extensive research into the field of gesture recognition and developed deep learning methods for recognizing sign language gestures, demonstrating a keen ability to learn new concepts and apply them to real-world problems. Implemented a robotic hand that can translate text back into sign language gestures. Integrated these elements to create a comprehensive and seamless human-robot interaction framework using sign language. Documented the entire research, development, and testing processes, creating technical reports, user manuals, and other documentation to help others understand and replicate the system.  
Advisor: Univ.-Prof. Dipl.-Ing. Dr.techn. Elmar Rueckert and Fotios Lygerakis – [elmar.rueckert@unileoben.ac.at](mailto:elmar.rueckert@unileoben.ac.at) & [fotios.lygerakis@unileoben.ac.at](mailto:fotios.lygerakis@unileoben.ac.at)
- 2022    **Research Intern** Color Imaging Lab, University of Granada, Spain.  
Develop and test a mobile application for color vision deficiency (CVD), demonstrating strong problem-solving skills and attention to detail in the trial phase of the method and building of the recoloration options. Utilized expertise in React Native and Flask to develop a robust and user-friendly mobile app for iOS and Android, ensuring compatibility with a range of mobile devices and operating systems. Documented the testing process and provided clear and concise feedback to the research team, contributing to the development of future iterations of the app.  
Advisor: Prof. Eva María Valero Benito – [valerob@ugr.es](mailto:valerob@ugr.es)

2020/21

**Business Intelligence Consultant** SturnGroup, Kuala Lumpur, Malaysia.

Collaborated with cross-functional teams to design and develop analytical and reporting solutions for clients, leveraging expertise in ETL data warehousing, SQL, VBA scripting, and data visualization to improve data accuracy, speed up reporting processes, and provide deeper insights into business trends and patterns. Analyzed multiple data sources and databases to uncover key insights and trends, presenting findings in clear reports and visualizations to help clients make data-driven decisions. Managing data integration, quality assurance, and deployment to deliver accurate and efficient data solutions that met client needs and exceeded expectations.

2018/20

**Software Developer** in Merimen Online. Selangor, Malaysia.

Developed and maintained web-based solutions for claim processing and management in the South-East Asian motor insurance industry, leveraging expertise in JavaScript, jQuery, HTML, CSS, SQL, and server-side language (ColdFusion) to optimize and enhance existing functionality. Utilized Agile methodologies to manage project timelines, ensuring on-time, on-budget, and high-quality delivery. Communicated effectively with stakeholders, providing regular updates and maintaining engagement.

2017

**Software Intern** in Meta Technology (Asia Office). Selangor, Malaysia.

Verify and troubleshoot system. Produce clean, efficient code based on specifications. Work on Odoo (Open-Source ERP & CRM) development tasks such as implementing form, revise Kanban and form, create qweb report etc.

## PROFESSIONAL TRAINING

2023

Accepted into **ASAI National Summer School** (July) in Artificial Intelligence hosted by the Center for Artificial Intelligence and Machine Learning (CAIML) at TU Wien.

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](#).

## SKILLS

Matlab, Python, Javascript, C/C++, Vb script, ROS2, OpenCV, Numpy, Scipy, Tensorflow, Pytorch, Keras, Scikit-Learn, Matplotlib, Pandas, Git, LaTeX, Microsoft Office, Anaconda, IBM InfoSphere DataStage, IBM InfoSphere Data Replication, Tableau, ColdFusion

Extras: Mobile development, experience in implementing machine learning methods, knowledge in signal processing, knowledge in datawarehouse and ETL concept, basic skills in image editing.

## AWARDS & HONOURS

- PSRS consortium scholar
- Microsoft Azure Most Potential Project Award – InvestHack 2020 - Organized by Bursa Malaysia

## Languages

Mandarin (Native) • English (Fluent) • Malay (Fluent) • Japanese (Basic) • French (Basic)