NOR ZAHIRAH BINTI OSMAN YAZID
Final Year Student
Bachelor of Computer Engineering (Honors)
Ipoh, Perak
+601111800675, zahirahyazid510@gmail.com

SUMMARY

A final year student seeking for a computer engineering position in Artificial Intelligence, software, IT or any related field. Actively conducting research on hole transport layer for perovskite solar cell for my final year project. Proficient in engineering practices, hardware design, programming and Artificial Intelligence principles. Passionate about continuous learning and skill enhancement as a fresh graduate in Computer Engineering. Expected completion of studies on early August.

EDUCATION

Sep 2019 — Present	**Bachelors Degree of Computer Engineering with Honors (Universiti Teknikal Malaysia)** Current CGPA: 3.20 MUET: Band 4 Dean's List: 2 out of 8	Melaka
May 2018 — April 2019	**Matriculation Programme Science Module II, Perak Matriculation College (KMPk)** CGPA: 3.29	Perak

---

RESEARCH & PROJECTS

Final Year Project	**Study of Spinel $NiCO_2O_4$ as Hole Transport Layer for Perovskite Solar Cell** Currently engaged in research focused on optimising the efficiency of perovskite solar cells, exploring innovative approaches to enhance their performance. The objective is to evaluate the cell performance of the $NiCo_2O_4$ as HTL in PSC and to synthesize the $NiCo_2O_4$ layer as a hole transport layer for PSCs application.
Integrated Design Project (IDP)	**Unmanned Aerial Vehicle (UAV) for Crop Monitoring System** The objective is to design a device that is manoeuvrable by air (Unmanned Aerial Vehicle) to provide a more efficient method for farmers to monitor their crops' condition and to implement RTAB (Real-Time Appearance-Based) Mapping with RGB into the UAV system to map a more precise and concise surrounding conditions of the crop.

RELEVANT EXPERIENCES & VOLUNTEERS

7-19 March 2023	**Online Certification of Cisco Networking Academy in Switching, Routing and Wireless Essentials and Enterprise Networking Security, and Automation** ● Engaged in online courses offered by the Cisco Networking Academy, assisted by university enrolment, to enhance networking knowledge and skills as a final-year student.
Jul 2022-Sep 2022	**IT Programmer (Internship) at TechMedia Computers System** ● Received comprehensive training in web development especially for front end framework using Joomla. ● Developed proficiency in HTML and PHP Language using Adobe Dreamweaver C3, acquiring valuable skills applicable to web development and software engineering. ● Site visit at Politeknik Bagan Datuk to assist 3D and Card Printer Workshop ● Design infographics every week to post on company's social media using Canva ● Registered access cards into the company's system
November 2022	**Participate in 'Sukan Antara Fakulti 2022"** ● Join as a support member
October 2022	**Participate in FKEKK Fest** ● Volunteer on assist the goers in a 2-days-long event
February 2019	**Participate in Colour Run KMPk 2019** ● Join as a participant
December 2018	**Volunteer on New Year as a food seller** ● Sell food and beverages at Perak Matriculation College on New Year ● Engage with customers in selling food during New Year event

TECHNICAL STRENGTH	Microsoft Office (Word, PowerPoint & Excel)	Expert	Assembly Language	Beginner	Joomla	Intermediate
	Xilinx Vivado	Beginner	Python	Intermediate	Adobe Dreamweaver	Intermediate
	Arduino IDE	Intermediate	Java	Intermediate	Visual Studio Code	Expert
	STM32 Cube IDE	Intermediate	PHP	Intermediate	MongoDB	Beginner
	MySQL	Intermediate	C++	Intermediate	Postman API	Beginner
	Scaps-1D	Intermediate	HTML	Intermediate	NodeJS	Beginner
	MATLAB	Intermediate	JavaScript	Intermediate	OriginLab	Beginner
	Canva	Expert	HEROKU	Beginner		

SKILL & ABILITIES	Teamwork	Excellent	Monitoring	Excellent	Problem Solving	Good
	Critical Thinking	Good	Troubleshooting	Good		

LANGUAGES	Malay	Native speaker	English	Highly proficient		

COURSES TAKEN

Core Courses

- Fundamental Electrical & Electronics
- Logic Circuit
- Engineering Mathematics
- Communication Principles
- Computer Programming
- Digital System
- Differential Equations
- Data Algorithms & Structure
- Microprocessor Technology
- Electromagnetic
- Information Security
- Embedded System Design
- Artificial Intelligence (AI)

- Computer Network & System
- Analog Electronics & Devices
- Linear Algebra & Discrete Mathematics
- Engineering Statistics
- Computer Organization & Architecture
- Database & Cloud System
- VLSI Design
- Signal & System

- Operating System
- Digital Signal Processing
- Digital IC design
- High Performance Computing

Elective Courses
- Computer Interface
- Machine Learning
- Embedded Software Design
- Computer Vision & Pattern Recognition

REFERENCES

Ir. Ts. Dr. Nik Mohd Zarifie Bin Hashim
Academic Advisor
Faculty of Electronic and Computer Engineering
Universiti Teknikal Malaysia Melaka (UTeM)
Hang Tuah Jaya
76100 Durian Tunggal, Melaka
Tel: +0176129997
VolP No.: +6062702379
nikzarifie@utem.edu.my

Ts. Dr. Faiz Bin Arith
Final Year Project Supervisor
Faculty of Electronic and Computer Engineering
Universiti Teknikal Malaysia Melaka (UTeM)
Hang Tuah Jaya
76100 Durian Tunggal, Melaka
Tel: +0103557758
VolP No.: +6062702391
faiz.arith@utem.edu.my