

AZRUL HAKIMI BIN AZMI

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Mechanical Engineering student passionate about programming, specializing in web development and front-end technologies. Strong in HTML, CSS, JavaScript, and C/C++. Applied coding skills as a Software Trainee at Knex Inc and through coursework and personal projects, consistently enhancing user experience. I will be available to commence work on October 2nd, 2023.

EDUCATION

Sep 2019 — July 2023	Bachelor of Mechanical Engineering, Universiti Malaya CGPA: 3.71/4.00 MUET: Band 4 Dean's List: Semester 2, 3, 4 and 8 <u>Relevant Coursework</u> : Numerical Methods in Engineering, C and C++ Programming, and Engineering Mathematics.	Kuala Lumpur
Sept 2018 — Jun 2019	Foundation, Universiti Teknologi Mara (UiTM) Foundation: 4.00/4.00	Dengkil

WORK EXPERIENCE

May 2022 — Apr 2023 (12 months)	Software Trainee, Knex Inc <ul style="list-style-type: none">Monitored Company's IoT devices remotely across 6 regions in Brazil.Executed 10+ small code modifications, including tasks such as optimizing storage management in a Linux environment, updating file paths, and conducting error persistence checks, in response to instructions from senior team members.Conducted initial debugging of 5+ software issues such as connectivity problems and error handling, ultimately enhancing functionality and user experience.	Kuala Lumpur
Jul 2022 – Sep 2022 (3 months)	Industrial Trainee, MEGATARA SDN. BHD. <ul style="list-style-type: none">Supported installation, testing, and commissioning for the products installed at 2 major sites, ensuring seamless functionality and efficiency.Performed frequent troubleshooting FCU problems to ensure seamless functionality and optimize system performance, reducing downtime by 25%.	Kuala Lumpur
Aug 2018 – Nov 2018 (1 month)	Science and English Tutor, SMK Abdul Jalil <ul style="list-style-type: none">Planned and delivered 10+ engaging lessons ahead to strengthen weak topics and build skills on stronger ones while utilizing creative teaching methods to enhance class enjoyment and participation.	Hulu Langat

LEADERSHIP EXPERIENCES

Jul 2021 - Jul 2022	Head of Marketing Department for EDMAT43 <ul style="list-style-type: none">Successfully managed the team to secure 3 valuable sponsorships (BookDoc, MonstaAsia, and Printcious) through efforts in seeking in-kind and monetary support, contributing significantly to the success of the event.
October 2020	Facilitator for University of Malaya Week of Welcome 2020/2021 <ul style="list-style-type: none">Facilitated orientation activities for over 1200 new students, encompassing both physical and online events.Designed captivating digital artworks for orientation week's activities and oversaw publicity, resulting in a 10% increase in overall attendance and active participation.

RELEVANT PROJECTS

Oct 2022 – July 2023	Final Year Project: Machine learning for classification of museum ceramic artifacts. <ul style="list-style-type: none">Developed and implemented an ensemble machine learning method to classify ceramics artifacts using FTIR data, achieving an impressive 85% accuracy rate.Successfully trained the model with a limited dataset of only 68 instances.
Oct 2021 – Feb 2022	Internal Stress Calculation of Arch Bridge Under Load with C++ <ul style="list-style-type: none">Performed comprehensive calculations using C++ programming to accurately analyse the structural properties of Three-Hinged Arch bridges, leading to a precise determination of critical parameters with an average accuracy of 98%.Identified and rectified calculation errors caused by rounding, resulting in a 98% error-free analysis and improved reliability of the results.
Jan 2019 – July 2019	Arduino-based RFID Card Access for Automatic Doors <ul style="list-style-type: none">Designed, coded, and implemented an Arduino-based RFID Card Access system for automatic doors while achieving a rapid response time of less than 0.5 seconds for RFID card authentication.Displayed real-time user status (registered or unregistered) with 100% accuracy on the user interface.Demonstrated exceptional reliability with over 1,000 successful access instances recorded during testing and deployment.

SKILLS	HTML/CSS C/C++	Experienced Experienced	JavaScript Python	Average Average	Java/C# MySQL	Beginner Beginner
LANGUAGES	Malay	Native speaker	English	Highly proficient	Mandarin & Japanese	Conversational