UMADEVI A/P SUNDARA RAJAN

TAMAN INDAH, 34000 TAIPING, PERAK

Email: umadevi.sundararajan@student.usm.my

Contact Number: +6011-1644 7318

LinkedIn: https://www.linkedin.com/in/umadevi-sundararajan/

CAREER OBJECTIVE

I am a passionate and self-motivated computer science student. I am currently seeking an internship placement to be responsible for IT/Computer field to maximize my experience and knowledge to meet the objective of your organization. In addition, to be a competent and successful individual in the field of IT by adapting to the changes in the environment.

EDUCATION HISTORY

Bachelor of Computer Science (Honours)

Universiti Sains Malaysia, Penang

03/2019-Present | Expected graduation year 2023

- Major: Information Security and Assurance (Computer Infrastructure)
- Minor: Management (School of Management)
- Currently leading a team of students in developing a mobile application using **Android Studio platform** with a title of Futuristic Waste Management System.
- Familiar with several programming languages such as **C++ and Python**.
- Familiar with **Packet Tracer platform to configure and troubleshoot** the network architecture based on topology.
- Successfully lead and documented student projects such as FOOD2Hand mobile application.
- Successfully completed individual project related to IP Addressing and developing a network topology using Packet Tracer platform.
- Enrolled as a student mentor for juniors in guiding tutorial for the foundation of Software Engineering course
- Enrolled as a mentor for the new board of Computer Science Society
- CGPA: 3.37

Diploma in Information Technology (Networking)

Politeknik Balik Pulau, Penang

11/2016 – 11/2019

- Gold Medalist Head of Department
- Dean's List for 4 semesters
- Successfully lead and completed various student projects, such as BTU Food Ordering System using C++ language in Visual Studio platform.
- Familiar with troubleshooting routers and switches using the Packet Tracer platform.
- Hands-on troubleshooting on the physical router, switches and WIFI.
- Successfully lead and completed final year project with the title of Fire Extinguisher Robot and won 1st runner-up place in an innovation competition.
- CGPA: 3.60 | Class of 2019

WORKING EXPERIENCE

DECEMBER 2018 – AUGUST 2019

• Part-time • Public Relation Assistant • Taiping Mall

- To draft daily activities, promotions, or special occasions to be announced to the public.
- Managing large amounts of incoming calls from external customers and building sustainable relationships and trust with customers.

16 APRIL 2018 – 16 NOVEMBER 2018
• Internship Trainee • IT Project Management • SILTERRA MALAYSIA SDN BHD

- Exposed to various **IT projects activities** such as placing digital board at lobby, implementing barcode system for warehouse, and drafting flowcharts to all applications to ease users to understand the application well.
- **Analyzing intranet applications** that are being used by SilTerra employees in daily use. Things to be considered such as to have a process flowchart and application owner.
- Perform application standardization using **Microsoft Visual Studio** to place a process flowchart at main page, to standardize font size, color and style for all intranet applications.
- **Prepare and document Disaster Recovery Plan (DRP)** for IT department to be kept at offsite storage.
- Familiarizing with IT Application Request to rise enhancement request, new application development request and revert unused application to obsolete page.
- Handled multiple projects consultation with application owners in regards of applications' standardization

COURSEWORK PROJECT COMPLETED (2019-2021)

Network architecture design

Designing and deploying a partial mesh topology network is part of the task that will be done. This includes installing and configuring all network devices, cabling and interfaces, and network configurations for the factory, which include workstations. Access networks for factories and branches are built to bring users and things on board, such as connecting employees within an office building and other factories.

Role: Involved in report design and network design using Cisco Packet Tracer.

Web-based student information system

This application is designed using Oracle Apex (an external application) and imported data from internal SQL database. The main objective of this system is to ease administrator's work in School of Computer Sciences, USM to store and update information of Students, Lecturers, Payment and Exam details.

Role: Involved in Lecturer module. Oracle SQL developer and Oracle Apex Web design, testing and report design.

Let's Get Fit

Let's Get Fit (LGF) is constructed to display a healthy lifestyle for USM staffs by keeping track of their Body Mass Index (BMI). The system required the text file as a mandatory input. The staffs' information is listed as name, staff ID(IC), age, gender, weight, height, BMI, BMR and RMR are read and stored in an array of objects in the program.

Role: Involved in report design, system design, C++ programming development, and testing.

Anagram Generating

This program is to generate anagram of words from given text file. The program will get words from text file and read into node (LinedList class), then pass the words to queue to generate permutations then save the outcome one by one into newNodes.

Role: Involved in system design, C++ programming development, and testing.

Annual Cyber Security Planning and Budgeting

We have prepared a budget for Hilti's InfoSec department's cyber security and assurance strategies. The budget plan is based on information obtained from Hilti as well as ISP providers such as Ensign and TitanHq.

Role: Involved in report design, current understanding about company's cyber security policies and implementation.

FAMILIAR PLATFORMS			
▪ Microsoft Office Apps	▪ Dev C++	▪ Packet Tracer	▪ Digital IDE
▪ Microsoft Visio	▪ Microsoft Visual Studio	▪ Android Studio	

SOFTWARE DEVELOPMENT TOOLS		
▪ Confluence	▪ JIRA	▪ Microsoft Azure

LANGUAGES	
Writing	**Spoken**
Good writing skills in English, Malay and Tamil.	Good proficiency in English, Fluent in Malay and Tamil.

CERTIFICATIONS AND ACHIEVEMENTS

- Microsoft Azure Platform Workshop - Participant (Certified)
- Microsoft Web Development Workshop - Participant (Certified)
- Mentor-Mentee Program - Mentor (Certified)
- Dean's List - Semester II 19/20
- Department Head Award Certificate 19/20
- Innovation project competition 2018 (1st Runner up) – Fire Extinguisher Robot

PARTICIPATIONS

- Computer Science Society (Vice President)
- Career Booster Summit (Vice Project Director)
- Virtual Computer Science Internship and Recruitment Fair (Project Director)
- Industrial Visit to Vitrox (Secretary)
- Computer Science Internship and Recruitment Fair (Secretary)
- Peace Road Charity Run 2019 (Participant)
- Student Platform to Ace Entrepreneurship Knowledge (SPARK 2.0) (Participant)
- Innovation project competition 2018 (Participant)

REFERENCES

Dr. Nurul Hashimah Ahamed Hassain Malim, Ph.D.
Senior Lecturer (Associate Professor)
Acting Deputy Dean (Academic, Career and International) | Advisor, Computer Science Society
School of Computer Sciences, Universiti Sains Malaysia.
Email: nurulhashimah@usm.my Phone: +604 - 653 4645 Fax: +604-657 3335

Dr. Wan Tat Chee, Ph.D.
Associate Professor | Academic Advisor
School of Computer Sciences, Universiti Sains Malaysia.
Email: tcwan@usm.my Phone: +604 653 3004 Fax : +604 653 3001