

Mariam Omar

Phone: +353 874649841

Date of Birth: 24th August 2000

LinkedIn: www.linkedin.com/in/mariam-omar-47955b17a

Email: mariam2000omar@gmail.com

Address: 9 Marlfield Court, Tallaght, Dublin 24

SUMMARY

Endeavoring young student, with a passion for learning how things work and how to fix them with an open problem-solving mindset. I am seeking internship opportunities in software development and testing, web development, database, or information security. A highly motivated computing student with a devotion to learning and gaining skills and understanding of ICT in today's world. Interested in adding my personal strengths such as group work, problem-solving (in a variety of different situations) and my technical skills to hopefully make a positive contribution to your organization, while gaining valuable real-life industry knowledge alongside the theoretical.

GENERAL KEY SKILLS

Teamwork: I have obtained teamwork skills working on assignments and projects throughout my course, working with a variety of different people.

Multilingual: Throughout my life I have acquired multiple languages which have aided me in my communication skills (English, Arabic, Bosnian, Croatian, Serbian, French, Irish).

Leadership: Working in teams has led me to further develop my leadership skills, as a leader in a group project I find the strengths and weaknesses of my teammates and give them the tasks that they would excel in while also giving them challenges to further their knowledge and skills.

Problem-solving: I have further developed my problem-solving skills by observing, analyzing and making design decisions on my second-year project. I have also developed problem-solving skills in other aspects, for example working on the design and building of a chicken/pigeon coop.

TECHNICAL SKILLS

Software Design and Development: I am confident in designing and developing websites using Django, JavaScript, CSS and HTML. Capable of developing using Python and Java. Can also design and analyse systems using UML.

Database: Can write SQL queries to intermediate level using Oracle 11G. Can design and create database schemas based on normalised and ERD designs. I have recently developed skills to administer an Oracle 11G database server using Enterprise Manager and related SQL commands. I can also confidently write code to create graphs to represent data using Jupyter Notebook.

Mathematics: Confident in my understanding of binary numbers and converting and problem-solving. Competent in my knowledge of modular arithmetic, encryption and decryption.

Software Testing: I am confident in testing software using Selenium IDE and PyCharm.

EDUCATION & QUALIFICATIONS

September 2018 – Present: Technological University Dublin - Tallaght Campus
Course: BSc in Computing with Software Development (Level 8)

(Please see appendix for complete list of modules studied and exam results)

Significant Projects Undertaken

Multi-User Distributed File System Application

Description: A team project, where we develop an e-commerce website, where multiple types of users could browse, add and delete products from their cart and checkout. Features included database connectivity, account authorization, updating, adding and deleting objects and checking out using Stripe and voucher codes.

Challenges faced:

- Finding the faults that caused errors.
- Finding a solution for multiple users saving changes to the same file
- Working as a group during the Covid-19 Pandemic and getting everyone to succeed in doing their part.

Technologies & Tools Used:

Zoom, GitHub, Pycharm, Visual Studio Code, Django, Visual Paradigm

WORK EXPERIENCE

June 2019 (for 2 weeks) Face Painter Holy Rosary Primary School
Company Description: Holy Rosary is a highly respected primary school based in Firhouse.
<https://www.holyrosaryps.ie/>

Main Responsibilities:

Face painting children between the ages of 4 and 12

During my voluntary work here, I was in charge of face painting whatever the kids hearts desired. Although I'd never done it before I was quick to master both the art of face painting and that of creative conversations. I got to listen to them talk about all the things they love, in turn this taught me good communication, listening as well as imaginative skills.

INTERESTS & ACHIEVEMENTS

Innovative ideas

- Thinking of new and innovative ideas that can solve people's problems and use my knowledge to try and implement them.
- Building bird houses and making things more space efficient from scratch with my Father's help (e.g. pull-out beds, outdoor seating, storage, Chicken/Pigeon coop).
- Fixing objects at home (e.g. electrical equipment and furniture).
- Listening and learning from people with more experience to improve my skills.

Women in Technology and Irish Computer Society

- Active member of Women in Technology (WIT) in TUD Tallaght.
- I have attended multiple WIT events, to get to know, support and encourage more women to join the technology industry.
- Member of the Irish Computer Society (ICS).

Learning

- Taking multiple online courses on Udemy to further my knowledge in my field.

REFERENCES

References available on request

Appendix

Grade

2nd Year Modules

Routing & Switching Essentials	A
Management Science	B+
Discrete Mathematics 2	B+
Database Administration and Analysis	B
Client-Side Web Development	B
Software Development 3	B-
Software Quality Assurance and Testing	C+
Software Development 4	C+
Information Security	C+
Advanced Database Technologies	C
Project	C
Network Fundamentals	D

Overall Grade (GPA): 2.73

1st Year Modules

Discrete Mathematics 1	A
Critical Skills Development	A
Statistics	B+
Business & Information Systems	B+
Social Media Communications	B+
Visual Design and User Experience	B
Visual Design and User Experience (2)	B
Systems Analysis	B
Computer Architecture	B-
Database Fundamentals	B-
Software Development 1	C
Operating Systems Fundamentals	C
Software Development 2	D

Overall Grade (GPA): 2.96