

ZAHRA NESSER

Beirut, Lebanon

zahranesser1999@gmail.com ♦ zmn14@mail.aub.edu ♦ +961 76803971

EDUCATION

American University of Beirut

January 2017 - December 2019

B.S in Computer Science.

Marina International School, The Gambia

2013 - 2015

Cambridge IGCSE (International General Certificate of Secondary Education)

Marina International School, The Gambia

2015 - 2016

Cambridge International AS & A Levels

PROJECTS

Software Engineering Course

Spring 2018

Project Grade: 90

I was part of a team that had to build a Course Learning Outcome and Student Information System. This framework is a dynamic system to manage academic learning processes and to deliver insights about students' learning behaviors and performances. The project required expertise in HTML, CSS, Javascript, C and several other frameworks. The system serves as an assistant for Professors to keep track of their students' records for each course, course learning outcomes, manage assignments and lectures as well as monitor progress, attendance and students' performances.

My main tasks in the team were:

- Lay out the requirements on target process for every sprint
- Messenger between the client and the team
- Design the layout of the system
- Test the system.
- Responsible of meeting minutes and documentation for the SPMP

Database Systems Course

Spring 2018

Project Grade: 92

I was part of a team that had to design a database management system to manage flights and passengers: a user would be able to add/remove flights, and add/remove passengers onto/from these flights.

My main tasks in the team were:

- Constructing the Entity Relationship Diagram and converting it to a relationship table.
- Developing the GUI for all aspects of the system using C and Visual Studios code generator, in collaboration with my teammates.
- Writing the SQL queries for the CRUD operations.

Final Year Project

Spring 2019

Project Grade: 85

I was part of a team that had to design and build a probation system for the chairperson of the Computer Science Department. The project required expertise in HTML, CSS, Javascript, SQL and several other frameworks. The system stored all grades of students majoring in computer science, filtered out the ones who's grades do not qualify them to continue based on the requirements stated by

the department and sent them warnings via email.

Web Programming and Design Course

Fall 2019

Project Grade: 100

I was required to design and program a website that adds, searches and removes books from a library database. This project required expertise in HTML, CSS, JS, JSON, AJAX and PHP.

COURSE WORK

Computer Science Courses

Introduction to Programming; Introduction to Computing Systems; Discrete Structures; Intermediate Programming with Data Structures; C/C++ programming; Software Engineering; Computer Architecture; Algorithms and Data Structures; Theory of Computation; Web Programming and Design; Programming Languages; Operating Systems; Database Systems; Cloud Computing; ST. Mobile Development; Final Year Project Course.

IGCSE Subjects

Mathematics, Add math, English language, English Literature, Economics, Information Communication Technology, Biology, Chemistry, French, Arabic.

As level Subjects

Information Technology, Chemistry, Biology, Mathematics.

TECHNICAL STRENGTHS

Programming Languages(Proficient)	JAVA, C
Programming Languages(Basic)	C++, C, MATLAB, JS, PHP
Protocols and APIs	HTML, CSS, JSON
Databases	MySQL, SQL, NO SQL
Operating Systems	Windows, Linux (in particular: Ubuntu)
Microsoft Excel	Spreadsheets, Charts, Functions
Microsoft Access	Database, Tables, Queries
Microsoft Word	
Microsoft PowerPoint	

SOFTWARE ENGINEERING SKILLS

Agile Principles, Quality Assurance, Design Patterns, Software Development Life Cycles, Functional and non-functional requirements, Unit Testing, SPMP

SOFT SKILLS

Fluent english, teaching, public speaking, leadership, event organization, research and academic writing, proposal writing, team building, pitching ideas, conducting workshops, effective communication

WORKSHOPS AND TRAINING

Internship with Octipulse for a duration of approximately 3 months. Specifically worked with SQL queries, Database and ASP.NET. As well as technical support, client support, quality assurance and testing.

Internship with Dynamesh SAL for a duration of 2 months. Specifically worked with Oracle APEX, Big Database, SQL, PL/SQL, Javascript, CSS and quality control.

Private tutoring for Cambridge's IGCSE, As level examinations specifically in Mathematics, ICT and IT (1 year).

Volunteered with AUB's One Hundred and Fiftieth Commencement Exercises.

Attended a workshop on Negotiation and Communication skills prepared by the Center of Civic Engagement at AUB.

Attended a workshop on Time Management prepared by the Center of Civic Engagement at AUB.