

Muhammad Ahmad

LinkedIn | GitHub

muhammadathabet@gmail.com | +201006321132 | 1808271@eng.asu.edu.eg

EDUCATION

AIN SHAMS UNIVERSITY

SENIOR-1 COMPUTER ENGINEERING
STUDENT

Sep 2018 - Present | Cairo, Egypt

Faculty of Engineering
Cum. GPA: 3.4 / 4.0

LINKS

GitHub:// ZeusDes

LinkedIn:// muhammadd-ahmad

COURSEWORK

UNIVERSITY

Logic Design • C++ Programming • OOP
using Java • Computer Organization •
Introduction to Embedded Systems •
Computer Architecture • Discrete
Mathematics • Software Design Patterns

FINISHED

- Data Structure - UC San Diego University
- Algorithmic Toolbox - UC San Diego University
- Version Control using git - Udacity
- Python for Everybody Specialization - Michigan University
- CS50x - Harvard University and edX

IN PROGRESS

- Algorithms on Graphs - UC San Diego University
- Web Development boot camp - The App Brewery

SKILLS

PROGRAMMING

C • C++ • Linux Shell • Python • Java

Problem Solving • OOP •
Data Structure • Algorithms •
Version Control using git

Familiar with:

- Software Design Patterns

PROJECTS

MATRIX CALCULATOR | C++ PROGRAMMING COURSE

May 2020 | Remote

- Using C++, We made a console program that do basic operations (Transpose, Multiplication, Addition) on matrices.

GPS TRACKING SYSTEM | INTRODUCTION TO EMBEDDED SYSTEM

May 2021 – June 2021 | Cairo, Egypt

- Making a GPS tracking system using Tiva TM4C123GH and NEO-6M module to track the user location and calculate the distance walked by the user.
- We used Keil uVision to burn code on Tiva and solved problems as calculating distance between 2 points on earth (Haversine formula) and handled the coordinates error sent by the GPS module.

TOPOLOGY API | PERSONAL PROJECT

Dec 2021

- Design and implement a Topology API that read a JSON file and store Different topology components for further operations defined in API.
- The implementation done using Java and GSON library.

FUNCTION PLOTTER | PERSONAL PROJECT

Dec 2021

- A GUI application that prompt a Mathematical Equation from user, validate and plot it.
- Development of the project done using QT creator and QCustomPlot.

XML EDITOR | DATA STRUCTURES AND ALGORITHMS COURSE

Dec 2021 - Feb 2022 | Cairo, Egypt

- Using C++ and QT creator, the team was meant to develop GUI Application that opens XML file, Check its Validity and offers auto-correction, Converting XML to JSON, Compress and Decompress JSON files and format XML.
- I was responsible for converting XML tree into formatted JSON and detecting errors in XML code.

AWARDS AND CONTRIBUTIONS

2021	11 th /30	Egyptian Collegiate Programming Contest (ECPC) Locals
2021	Contributor	Hacktoberfest '21
2021	2 nd	GPS Tracking System - University Contest
2021	Contributor	101-Linux-commands-ebook

VOLUNTARY EXPERIENCE

CONNECTED FAMILY - EGYPT | HR RECRUITER

Oct 2018 – June 2019 | Cairo, Egypt

PIRATES - EGYPT | FUNDRAISING MEMBER

Oct 2020 – June 2021 | Cairo, Egypt

ASUFE CPC | LEVEL 1 MENTOR

Oct 2021 – Present | Cairo, Egypt