# Yousef Elkammar

Student at Faculty of Computers and Information Sciences, Ain Shams University.

An undergraduate in computer who's comfortable using Kotlin, Java, C++, Python, Flutter, SQL and Source Control. I want to put my skills to develop an outstanding applications for common use.

## Work History

### Android Committee member.
**2021-11 – Current.**
*MSP-Tech Club -ASU, Cairo.*

- Learning basic and trending technologies in Android App development as Architecture Patterns, Design Patterns, Multi-threading (Coroutines), Retrofit and Room DB.
- Delivering weekly tasks and projects on time.
- Preparing for instructing Android summer training.
- Making comprehensive project that includes all what we learned.
- Improving soft skills as we practice and lecture every session.

### Registration Team Member (Volunteer).
**2022-02 – 2022-04.**
*ASU Career Center, Cairo.*

- Adhered to organization procedures and instructions to maintain safety for program participants and other workers.
- Met with other volunteers and program leaders to discuss new service opportunities.
- Responsible for evaluating sign up requests.

### Mobile Development Intern.
**2022-02 - 2022-03**
*The Sparks Foundation, Remote*

- Developed a login app that integrates Facebook and Google login APIs.
- Helped fellow interns on their tasks and inquiries.
- Gave Peer Evaluation for fellow interns' projects based on design, code architecture and responsiveness.
- Expanded my social network as it was a mandatory task of the intern.

### Mobile Development Trainee.
**2022-02 - 2022-03**
*Information Technology Institute (ITI), Remote.*

- Developed a to-do application with responsive design.
- Acquired certificates of completion of Mobile Application Development using Java, SQLITE and Freelancing courses from Mahara-Tech.

### Web Development Trainee.
**2021-07 - 2021-08**
*Faculty of Computers and Information Sciences, Ain Shams University.*

- Collaborated with 3 colleagues to develop pharaohs website.
- Learned HTML5, CSS3, JavaScript, PHP and Apache Live Server.
- Discussed and presented our project

## Contact

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**Github**
https://github.com/RedBiscuits/

## Skills

**Java**.
Used daily in **android development**.
Implemented in: **Blackjack**, **To-do list**, **Login app** and **Carbon** (chat app).

**Kotlin**.
Used in **android development**.
Implemented in: **Carbon.**

**Python**.
Used in **AI** and **machine learning**.
Implemented in **Muzify** music app, **Heart Failure Prediction**, **Statistical Analysis** and **AI** Curriculums.

**C++.**
Used in **problem solving**.
Implemented in Flappy Bird game's engine and graphics, Data Structures and problem solving

**OOP.**
Used in **Android** and **DS**.
Implemented in **To-do List app**, **Login app** and **Android development.**

**Design Patterns (SOLID and Singleton)**.
Used in **daily development**.
Implemented in **To-do List app**, **Login app** and **Carbon.**

**Architecture Patterns (MVC, MVP, MVVM)**.
Used in **Android**.
Implemented in **To-do List app**, **Login app** and **Carbon.**

**Android Development.**
Implemented in: **To-do List app**, **Login app**, **Carbon** and daily practice.

**Source Control.**
Used in **daily projects** and **development.**

**Problem Solving.**
Used to **develop constructive thinking.**

**REST APIs.**
Used in **Android Development**.
Implemented in: **Login app**.

## Education

### Sophomore B.Sc.: Computer Science (Mainstream).
**2020-10 - Current**
*Faculty of Computers and Information Sciences - Ain Shams University.*

- GPA: 3.2.
- Awarded Certificate of honor for Flutter 22'midyear workshop best project (1st).
- Awarded Certificate of honor for Structured Programming best project (top 5).
- Professional development completed in Web, Android and Flutter app development.
- completing education in Computer Science.

## Certifications

**2022-02**
Certificate of honor for **Flutter** best project (**1st**).

**2021-08**
Certificate of honor for **Structured Programming** best project (**top 5**).

**2022-03**
Certificate of attendance for **Git/Github** source control workshop.

**2022-02**
Certificate of attendance for **Flutter** workshop.

**2022-02**
Certificate of completion for **JavaSE** development course.

**2022-03**
Certificate of completion for **Android App development** course.

**2022-02**
Certificate of completion for **Database Fundamentals** course.

## Projects

**Carbon (Android chat application)**:                         **2022-3 to 2022-5.**
Java, Kotlin, Firebase, Design patterns (SOLID, Singleton), Architecture Patterns (MVC and MVVM).

Chat application that mimics WhatsApp with its most important features (video calls, stories, one-to-one chat, login, RTC connection and phone verification)
Was made for college Data Structure curriculum.

**Muzify (Music player and downloader)**:                         **2022-2 to 2022-3.**
Dart, Flutter, SQFLite, Python3 and Flask.

Music player and downloader that has its own backend on local device as it queries YouTube through its URL and downloads the required song as mp3 without any Ads and 1 time download then it's possible to play the songs through built-in music player.

**To-do-List (Android)**:                         **2022-2-12 to 2022-2-28.**
Java, SQLite3.

Task managing app which facilitates taking notes and setting tasks.

**Flappy Bird game**:                         **2021-3 to 2021-5.**
C++, SFML.
Flappy Bird remake with C++ and SFML library from scratch, game engine and graphics were also remade.

**Pharos website**:                         **2021-7 to 2021-8.**
HTML, HTML5, CSS, JavaScript, PHP and Apache.
Website that shows Egypt's tourist attractions and scenic spots with the availability to book tickets in Egypt.

**Heart Disease Prediction models**:                         **2021-11 to 2021-12.**
Python3, Sickit-learn and seaborn.
Program that predicts heart failure based on medical tests with accuracies of 91%, 78% and 55% for Decision tree, KNN and multiple linear regression respectively.

**Blackjack game**:                         **2022-12-04 to 2022-12-19.**
Java, Swing.
Blackjack poker game without bets or coins with powerful GUI.

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**SQLITE.**
Used in **Applications Development (Flutter and Android)**.
Implemented in: **Muzify** and **To-do-List app**.

**Flutter.**
Used in **Applications Development**.
Implemented in: **Muzify**.

**Web Development.**
Used to make **Pharaohs Website** and **GitHub portfolio.**

**Software Development Lifecycle.**
General knowledge of **how software products are made**

**Relational Databases.**
Used in **Application Development**.
Implemented in: **Restaurant Management System**, **To-do List app** and **Pharaohs website.**

**Research**.
Able to **search** and **extract** information without previous knowledge.

**Public speaking.**
Used to **discuss projects**, **lecture**, and **handle customers** in earlier jobs.

**Team collaboration.**
Used to be **team leader** in college projects when I'm the best fit for and **collaborate** with colleagues and fellows in MSP.

**English.**
**Professional level (spoken and written).**
Used daily in **studying fields**, **Communication** and **technical writing.**