

## PROFESSIONAL SUMMARY

Technically skilled engineer with a background in Communication & Electronics. Strong foundation in software development, signal processing, and indie game design. Experienced in Unity/C# game projects, app deployment, and hands-on electronics work. Actively solving algorithmic challenges and preparing for graduate-level coursework in computer science and interactive systems.

## TECHNICAL PROFICIENCIES

- Programming: C#, Unity, MATLAB, Python
- Problem Solving: Debugging, Game Logic Optimization
- Tools: Unity3d Game Engine, Blender, Krita, Soldering, Circuit Debugging
- Languages: English, Arabic

## EDUCATION

Bachelor of Science in Communication and Electronics Engineering

Nile University — Giza, Egypt

September, 2014 – July, 2019

GPA: 3.52 / 4.00

- Dean's Honor List (2x)

## TECHNICAL & CREATIVE PROJECTS

### Tri-Language Dictionary Translator (Freelance Project)

- Developed a multilingual translation tool as a freelance solution, has a 1000 + downloads.
- Handled end-to-end development: design, coding, and testing.
- Published on Google Play Store with live ad integration and active user feedback.

### 3rd-Person Football Mobile Game

- Designed and developed a mobile football game using Unity.
- Integrated Unity Ads SDK for monetization and deployed the game to the Play Store.
- Solved complex gameplay and control issues, including player movement, collision logic, and performance bottlenecks.

### Analog to Digital Signal Quantization Processing (MATLAB)

- Designed and implemented a digital signal quantization system using MATLAB.
- Applied signal processing theory to real-world data conversion.

## WORK EXPERIENCE

Freelance Game Developer / Self-Employed

Remote | January, 2021 – Present

- Delivered freelance development projects including games and utility app creation.
- Managed all aspects of the development life cycle and client communication.

Engineering Intern

Raydata Engineering Systems, Giza, Egypt | July, 2018] – August, 2018]

- Worked with sales and training engineers on electrical power systems.
- Performed hands-on electronics maintenance including soldering.

## **LEADERSHIP & EXTRACURRICULAR**

- Member of University Football Team – Participated in team competitions and maintained athletic commitment alongside academics

## **ACHIEVEMENTS**

- Dean's Honor List – Recognized for academic excellence twice during undergraduate studies