Yamen El-Rayes

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https://yamenelrayes.github.io/os-portfolio/

Professional Summary

Recent Computing graduate with a strong foundation in computer engineering and computer science. Experienced in developing cross-platform mobile and web applications, implementing on-device machine learning, and using Azure DevOps in Agile environments. Proven ability to deliver user-focused solutions with strong communication, problem-solving, and leadership skills.

Experience

AUG Pharma | Information Technology Intern   2024

Cairo, Egypt

- Assisted in configuring and managing user access permissions and credentials across the AUG internal network.
- Participated in server configuration and maintenance tasks, supporting the IT infrastructure and helping resolve hardware and software issues.
- Gained experience in network administration, Windows Server environments, and basic enterprise IT support workflows.
- Collaborated with IT staff on system diagnostics, user provisioning, and internal security checks.Drove business decisions and reduced operational costs

Freelance | E-commerce Project Manager   2021-2025

Cairo, Egypt

- Managed brand pages and order automation for Instagram-based stores. Led product and marketing strategy.

Credit Agricole | Technical Support Intern   2023

Cairo, Egypt

AT&T & Verizon | Technical Support Specialist Intern
2023

Cairo, Egypt

Education

Oxford Brookes University - Oxford, UK   Graduated 2025

BSc (Hons) Computing

- Relevant Modules: Software Engineering, Cloud Computing & IoT, Advanced OOP, Software Project Management, Data Analytics, Programming & Algorithms, Artificial Intelligence, Operating Systems, Networking

Technical Skills

- **Languages:** Dart, JavaScript, Python, C++, R
- **Frameworks & Tools:** Flutter, Google ML Kit, Supabase, Azure DevOps, MERN Stack, Figma
- **Technologies:** On-device ML, Pose Estimation, CI/CD, TTS, Cloud Storage, REST APIs
- **Other:** Agile Methodology, Operating Systems, Networking, Photoshop, Video Editing

Projects

FitPose – Real-Time Workout Form Correction App   **2024 – 2025**
Final Year Project, Oxford Brookes University

- Built a cross-platform app using Flutter and Google ML Kit for pose estimation, providing real-time audio/visual form feedback for squats, pushups, and planks.
- Integrated automated rep counting, workout logging (Supabase), and on-device ML for user privacy.
- Managed Agile development via Azure DevOps over six sprints; validated with 11 user testers

Battleships – Java GUI & CLI Game   **2025**

- Developed a Java-based Battleships game with MVC architecture and JUnit testing

SpendWise – Expense Tracker Web App   **2023**

- MERN stack app with login/authentication, expense tracking, and Azure DevOps CI/CD integration

Blue Snake – C++ Game   **2023**

- Developed a console-based snake game using C++ and object-oriented design

Sahl – Python Chatbot for Discord   **2022 - 2023**

- Built a helper chatbot for university students using Python and Discord API

Drink Chiller (STEM Project)   **2017**

- Designed a drink chiller that cooled faster than standard freezers; won 1st place at a STEM fair

Certifications & Achievements

- **Winner, Fintech Competition – Central Bank of Egypt**   **2023**
- **Certificate of Appreciation, Coventry University @ TKH**   **2024**
- **Certificate of Appreciation, TKH Student Union**   **2024**
- **Participant, ECPC – ICPC Programming Contest**   **2023**
- **1st Place, STEM Fair – Drink Chiller Project**   **2017**
- **Honorable Mention, JCIMUN (Junior MUN Conference) – AUC**   **2017**