

# Yamen El-Rayes

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## Professional Summary

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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

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### 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

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### 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

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- **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

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### 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

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| • 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 |