

# Reem Ali

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## EDUCATION

Cairo, Egypt

Cairo University

Fall 2015 - May 2019

- B.Sc. in Computer Science with minor in Information Systems.

## PROJECTS

- **Online Candidate Screening**
  - Web application for online pre-interview testing.
  - Candidates sign up and apply for a position from a list of open positions, and the system emails them online tests depending on the skills needed for the selected position.
  - Candidates take the tests on the website and submit their answers.
  - HR account has access to all submissions and statistics for the test scores.
  - Technologies: MVC; JavaScript; Node.js; MySQL; HTML; CSS; AJAX
- **Quarto Game**
  - Quarto board game in which a player plays against an intelligent agent.
  - Technologies: Prolog
- **E-Commerce app**
  - Web application that supports adding, removing, viewing items for sale.
  - Technologies: Java; Spring framework
- **Social Network**
  - Web application that supports posting status and following users.
  - Technologies: PHP; JavaScript; MySQL
- **Compression Library**
  - Implementation of various compression algorithms like LZW, Arithmetic Coding, Vector Quantization and Huffman Coding.
  - Technologies: Java
- **Command-Line Interpreter**
  - A simulation for the Linux Terminal that runs 14 basic commands.
  - Technologies: Java
- **Maze Game**
  - Simple console-based maze game in which the player tries to reach the destination before monsters catch them.
  - Using search algorithms like breadth-first search for monsters to chase the player.
  - Technologies: C++

## ADDITIONAL EXPERIENCE AND ACHIEVEMENTS

### Programming Competitions (2016 – present):

- Online Competitions:
  - Top 2% in HackerRank's Women's CodeSprint 4.
  - Top 9% in HackerRank's Moody's Analytics Women in Engineering Hackathon.
  - Top 14% in HackerRank's Goldman Sachs Women's CodeSprint.
  - [Codeforces](#); [HackerRank](#)
- Top 25% in ACM Arab Collegiate Programming Contest 2018.
- Top 30% in ACM Egyptian Collegiate Programming Contest 2018.
- Top 19% in ACM FCI-Cairo University Programming Contest 2018
- Top 33% in ACM Egyptian Collegiate Programming Contest 2016.

## TECHNOLOGIES

- C/C++; Java; JavaScript; Node.js; PHP; MySQL; Linux; Eclipse