# Mohamed Mahmoud Rezk

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## ▬▬ Objective

This is a short introduction about me. This introduction is not professionally written but it is just a placeholder.

## ▬▬ Education

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| **Class 2025** | **Bachelor of Science in Computer Engineering** <br> *Ain Shams University* <br> Junior / CGPA: 3.7 / 4.0 |
| **Class 2020** | **High School** <br> *Dakahlia STEM School* <br> CGPA: 4.0 / 4.0 (1st Rank) |

## ▬▬ Experience

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| **Aug-Oct-2022** | **Research Intern** <br> *ASU - Dynamic Systems & Digitalisation Cluster* <br> Project title : Mapping of artificial acoustic emission sources on wind turbine blades <br> I implemented several optimization algorithms with some bench-markings like: <br> - Particle Swarm Optimization <br> - Simulated Annealing <br> - Simplex (Nelder-Mead) Method <br> - Code / Report |

## ▬▬ Hackathons & Competitions

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| **Aug-Oct-2022** | **NASA Space Apps Cairo** <br> - Implementing an International Space Station (ISS) tracking system based on the laws of orbital mechanics and astronomical algorithms. <br> - People Choice Award Nominee <br> - 500$ AWS Credit Points Prize <br> - Code |

## ▬▬ Awards & Honors

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| **Aug-Oct-2022** | **Summer of Math Exposition (SoME#2)** <br> I was one of the top 100 entries in Summer of Math Exposition (SoME#2) organized by Grant Sanderson (3Blue1Brown), and Leios Labs. Also, I was in the top 25 non-video entries (articles, games,etc.). <br> - Article |

## ▬▬ Skills

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|---|---|---|
| Python | Bash | LaTeX |
| C/C++ | Research | Simulation |