Mohamed Lotfi

molotfi5567@gmail.com
github.com/MoLotfi
linkedin.com/in/mohamedlotfi20
929 385 2452

EDUCATION

Wagner College, Staten Island, NY
B.S., Dual Major: Mathematics and Computer Science   August 2018 - May 2022
3.99 GPA | Dean's List; Trustee Scholarship recipient

TECHNICAL SKILLS

- C++
- JavaScript
- AWS
- Angular
- Python
- CSS
- Java
- Vue js

WORK EXPERIENCE

Software Developer (VoxPop Games: https://www.voxpopgames.net/)
- Maintain and enhance the company's store UI.
- Build new Backend APIs to support the dynamics of the store.

Aug 2022 - Present

Software Developer (Afloat Company: https://stayafloat.io/#/)
- Build and Deploy new Java features to support Tax Credit transactions
- Test and Review code for both Java services and Angular UI

April 2022 – July 2022

Office Assistant
- Work as a student assistant in the Center for Intercultural Advancement, Wagner College

August 2021 – May 2022

PERSONAL PROJECTS

Project 1

My website: http://www.mohamedlotfi0.com/

Project 2

Coded a program that encrypts and decrypts messages using the RSA algorithm. Here is the link for the project on GitHub: https://github.com/MoLotfi/RSA-Encryption

Project 3

Built a C++ library called "Super-integer" that solves the limitations of storing and dealing with integers in the language. Project Link: https://github.com/MoLotfi/Super_Integer

Project 4

Developed a simple web page that enable users to receive and send anonymous messages
http://www.mohamedlotfi0.com/register.php

HONORS AND AWARDS

Dean's List	2018 - 2022
Honorable Mention in Joint Mathematical Meeting Conference	2021
Kappa Mu Epsilon -- National Mathematics Honor Society	2019 - 2022
Ranked among the top 8% in Putnam Mathematical Competition	2022
Trustee's Full Ride Scholarship	2018 - Now
Represented Egypt (my home country), with 3 other students, in MYMC (Mediterranean Youth Mathematical Championship) in Italy	2018
Qualified as one of the best 10 students in the Egyptian Mathematical Olympiad (similar to USAMO)	2018
5th place in the Mathematical competition of Egypt which involved about 3000 students	2017

SCORES

TOEFL: 110 (30 Listening, 28 Reading, 27 Writing, 25 Speaking)	2020
SAT: 1510 (800 Math, 710 English)	2019

MATH RESEARCH EXPERIENCE

Student Researcher at Polymath REU 2021 (Computational Algebra Project)	2021
Student Researcher at Polymath REU 2020 (Explorer-Director Game Project)	2020
Author of the paper "ON SOME EQUATIONS INVOLVING EULER TOTIENT FUNCTION" Overleaf link: https://www.overleaf.com/read/qfnqykbrxxpm	2020