



Personal Information

Single / Male / **10.03.1996**

Marital Status / Gender / Date of Birth

Egypt / Cairo

Country of Birth / City of Birth

Passport /
29603100105395 /
A15398773Type of your ID / ID Number / Passport
Number

-

Other Citizenship

Islam

Religious Belonging, Ethnicity

I dont have any disability.

Disability Status

Education Information

High
SchoolBachelor's
Degree

Preferences

- ANKARA YILDIRIM BEYAZIT UNIVERSITY / GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES / **Mechanical Engineering (English)** / Ankara / İngilizce / 2
- MARMARA UNIVERSITY / GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES / **Mechanical Engineering** / İstanbul / İngilizce / 2
- HACETTEPE UNIVERSITY / GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES / **Mechanical Engineering** / Ankara / İngilizce / 2
- GAZİANTEP UNIVERSITY / GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES / **Mechanical Engineering** / Gaziantep / İngilizce / 2
- MIDDLE EAST TECHNICAL UNIVERSITY / GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES / **Mechanical Engineering** / Ankara / İngilizce / 2
- İZMİR INSTITUTE OF TECHNOLOGY / GRADUATE SCHOOL OF ENGINEERING AND SCIENCES / **Mechanical Engineering** / İzmir / İngilizce / 2
- ÇUKUROVA UNIVERSITY / GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES / **Mechanical Engineering** / Adana / İngilizce / 2
- SÜLEYMAN DEMİREL UNIVERSITY / GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES / **Mechanical Engineering** / Isparta / Türkçe / 2
- İZMİR KATİP ÇELEBİ UNIVERSITY / GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES / **Mechanical Engineering** / İzmir / Türkçe / 2
- ESKİŞEHİR TECHNICAL UNIVERSITY / INSTITUTE OF GRADUATE PROGRAMS / **Mechanical Engineering** / Eskişehir / Türkçe / 2
- SAKARYA UNIVERSITY OF APPLIED SCIENCES / INSTITUTE OF GRADUATE PROGRAMS / **Mechanical Engineering** / Sakarya / Türkçe / 2



Engineering / Sakarya / Türkçe / 2

- MERSİN UNIVERSITY / GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES / Mechanical Engineering / Mersin / Türkçe / 2



Other Language Skills Native Language : Arabic (العربية)

No

Do you speak Turkish?

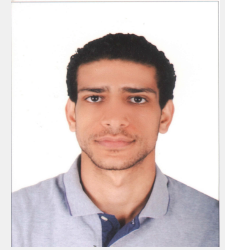
Language	Grade/Level
İngilizce	IELTS / 23.03.2019 / 7-78 Date / Grade
İspanyolca	- / Advanced
Almanca	- / Intermediate



Letter of Intent

Academic Experience: I have been working on some projects that undergo with my future interest, Combustion Dynamics field especially the Catalytic Combustion for gas turbines, so for the past few months I've been working on a complete gas turbine combustion design, my graduation project, taking into consideration the areas and factors that contribute to the design and understanding each area in a way that made me and the other students able to achieve huge progress until now, starting from the combustion fundamentals and moving on to more advanced areas such as diffusers, fuel injection, ignition, heat transfer, and emission. I did an internship at EgyptAir which focused on the mechanism of the airplane engine, how it works, and the utilization of each component inside it, and another one at National Authority for Remote Sensing, which focused on satellite technology but part of it was about satellite and rockets' combustion. Furthermore, I am always keen to enhance my software skills by learning programs such as Matlab, Labview, and Solidworks. Finally, I participated in Can Satellite design competition and worked in a Space Technology Lab as a Labview instructor.

Social experience: I have worked on my leadership and soft skills by being part of some student activities and international organizations in Egypt and India such as AIESEC, in which I was honored to be part of an international project with AIESEC INDIA, which aimed to provide the interns with self-driving global experience, interacting ideas on some of the global issues, but the most appealing issue for me was human health and how air pollution can affect it, which called my attention later to this issue and how can I help to diminish it from engineering perspective. I volunteered as a mathematics instructor and I was selected as the best team leader after publishing almost 15 study notes in mathematics to help preparatory year students. Now, I am volunteering with Resala to help poor and unable families by housing them and providing all basic needs. All these social experiences have had a big impact on my personality, making me realize and understand more the big issues we face now in the world, especially in Egypt and how can I contribute to my society and environment. Why Turkey: Because of the huge development and progress in the mechanical engineering field, scientific research, and the industry field. Also due to the quality of higher education and the equipped labs and qualified professors provided by the universities. Furthermore, Turkey is a great choice for me because Turkey's culture and language are too close to those of Arab countries, and it would be an opportunity to know about this unique culture and tell my people about it. Future plans: After pursuing my postgraduate studies in Turkey, I am willing to come back to Egypt to transfer my experience to the mechanical engineering field in order to be an active



to come back to Egypt to transfer my experience to the mechanical engineering field in order to be an active part in the society and contribute to my country development

In this section, it is expected to explain following details: your academic and social experiences relating the field you want to take an education, your reasons for choosing Turkey for study and the importance of your future plans for your education and scholarship in Turkey. You can write the letter of intent in the language you can express yourself.

The mechanisms of pollutant formation, and the methods and approaches we can use to design combustors in order to alleviate pollutant emissions from gas turbine combustors, which have serious effects and impacts on health, environment, nature and the lives of all creatures of this planet in the present and the future.

1- Subject of study

The purpose of this study is to explore and understand the mechanisms of pollutant formation and the methods contributed to the alleviation of pollutant emissions from conventional gas turbine combustors. As pollutant emissions from combustion processes have become of great public concern due to their impact on health and the environment, the study also focuses on some alternative methods and approaches to the design of combustors for achieving pollutant emissions reduction from all types of gas turbines.

2- Working Title (Up to 15 words)(Please write in short and concise terms the title of your work as a thesis or an article title.)

-Theoretical Study: A study of the current and available researches on methods and approaches employed in alleviating pollutant emissions from conventional gas turbine combustors. -Comparative study: A comparison between the current approaches and what this research tries to accomplish, and its reliability and validity. -Mathematical Study and Design: In this stage, we identify the givens and requirements and then with the help of the derived equations and calculations we can get the optimum design results by using a programming language (Matlab). -Experimental study and Simulation: Building a prototype by using engineering programs to do some simulation experiments in order to check whether the requirements are well-achieved as well as the need of any modification or redesign. -Conclusion: A review and summary of the data and the final results.

3- Analysis of the Problem (at least 75, maximum 300 words)(In this section, briefly describe the topic and your theory (concept map) to be used in the study.)

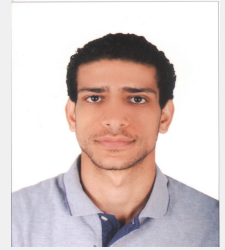
-Chapter 1: A general overview of emissions concerns and the regulations that have been introduced to address these concerns. -Chapter 2: The mechanisms of pollutant formation and the methods employed in alleviating pollutant emissions from conventional gas turbine combustors. -Chapter 3: The use of variable geometry and staged combustion for emissions reduction by control of flame temperature. -Chapter 4: Basic approaches to the design of "dry" low oxides of nitrogen (NOx) and "ultralow" NOx combustors. -Chapter 5: Alternative methods for achieving ultralow NOx emissions, including rich-burn, quick-quench, lean-burn, and catalytic combustors. -Chapter 6: Correlations for NOx and carbon monoxide (CO) emissions.

4- Research Method (minimum 50 maximum 300 words)(Give information about the academic research methods you intend to use in this study. For example, in-depth interviews, observations, surveys, experiments, etc.) For example, in-depth interviews, observations, surveys, experiments, etc.)

The findings of this study will redound to the benefits of society considering that Pollutant emissions from combustion processes play an important role in children's health and future. The greater demand for stationary gas turbines in the gas and oil industry and new ranges of application in combined cycle plants and in many areas of utility power generation justifies the need for more effective methods to alleviate pollutant emissions from gas turbine combustors. Thus, companies that apply the methods and approaches derived from the results of this study will be able to design combustors that can achieve pollutant emissions reduction.

5- General Structure of the Study (at least 75, maximum 300 words)Write the main headings of the study.)

1. Seaton, A., MacNee, W., Donaldson, K., and Godden, E., "Particulate Air Pollution and Acute Health Effects," Lancet, Vol. 345, pp. 176–8, 1995. 2. Bahr, D. W., Lecture notes for short course on gas turbine combustion; University of California, Irvine, March 13–17, 1995. 3. Schorr, M. M., "NOx Emission Control for Gas Turbines: A 1991 Update on Regulations and Technology" (Part I), Turbomachinery International, Sept. /Oct., pp. 24–30, 1991. 4. Angello, L., and Lowe, P., "Dry Low NOx Combustion Development for Electric Utility Gas Turbine Applications; A Status Report," ASME Paper 89-GT-254, 1989. 5. Rink, K. K., and Lefebvre, A. H., "Influence of Fuel Drop Size and Combustor Operating Conditions on Pollutant Emissions," International Journal of Turbo and Jet Engines, Vol. 6, No. 2, pp. 113–22, 1989. 6. Hung, W. S. Y., and Agan, D. D., "The Control of NOx and CO Emissions from 7-MW Gas Turbines with Water Injection as Influenced by Ambient Conditions," ASME Paper 85-GT-50, 1985. 7. Hung, W. S. Y., "Carbon Monoxide Emissions from Gas Turbines as Influenced by Ambient Temperature and Turbine Load," Journal of Engineering for Gas Turbines and Power, Vol. 115, No. 3.



pp. 588–93, 1993

6- Academic Contribution of the Study (minimum 75, maximum 300 words) (Explain how this study will contribute to your academic field.)

I would like to mention that I enrolled in some online courses to enhance my academic skills along with academic writing and research skills.

7- Literature Review (at least 75, maximum 300 words)(Please write down the main academic sources written in this study area.)

I don't have any

If you have a subject in your application documents that you think is not clear enough and you want to explain, or if you want to draw the attention of the evaluation committee, please briefly explain in this section. You can write the description in the language you can express yourself.

Field Questions

Family Information Total Monthly Income : 100-250 (\$)

SOHIR / Yes

Mother's Name / Is your mother alive?

ministry of Education

The institution/company your mother works at

Teacher / Teacher

Your mother's occupation / Title/Position

MOHAMAD / Yes

Father's Name / Is your father alive?

-

The institution/company your father works at

- / -

Your Father's Occupation / Title/Position

2

Number of Siblings

Single

Marital Status

100-250 (\$)

Total Monthly Income

Contact Info (Current)

Mohamed El Senousy/1372/4

Street/Building Number/Door Number

- / Giza / - / 12566)

Address / City / Country / Postal Code

+2036983119

Phone (Home)

+201119269637

Mobile Phone

4 I am at this address.

- Giza / Egypt / 12566

Address / City / Country / Postal Code

<http://www.facebook.com/https://www.facebook.com/omarfateh10> / - /

<http://www.linkedin.com/in/https://www.linkedin.com/in/omar-fateh-676609100/>

Facebook / Twitter / LinkedIn









fatehomar0@gmail.com / - / -

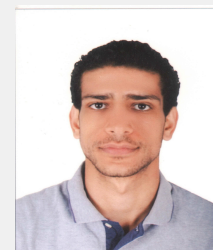
Google+ / Skype / Other

Academic Qualification

Social Activities















Type	Name	Award, Award, Project, Certificate, Field	Date	Institution	Description	
Award	Best team Leader	Student's community development	8.08.2015	Black Horse ,Student activity	Volunteered as a Mathematics instructor for two semesters in Black Horse, a student activity that aims to help engineering students in their studies. - Published almost 15 study notes in mathematics to help preparatory year students. - Led a group of four students through delegating tasks and designing the team plan.	
Projects	Namaste 2.0	community development	5.07.2015	AIESEC India	AIESEC is an International Youth platform that provides young people with leadership development and cross-cultural global internship and volunteer exchange experiences across the globe, with a focus on empowering young people so they can make a positive impact on the society. - Arranged English & Mathematics lectures for Indian students and monitored their progress - Instructed a class of 30 Indian students in elementary math and English. - Operated sessions for students and locals .	
Certificate	Training Certificate	Satellite Technology	8.08.2016	NARSS National Authority for Remote Sensing & Space Sciences	This program was about satellite technology and its peaceful uses and it provided us with the basics and the concepts of building small satellite .	
Certificate	Top Student Certificate	Education	2.03.2010	Ministry Of Education	It was a competition for top students and I was one of a team from my secondary school and we won the first position.	
Certificate	Quran Certificate	Quran memorization	8.06.2010	Ebaad El Rahaman mosque	it was a certificate about memorizing the holy Quran in a mosque located in my neighborhood .	
Certificate	Camp Participation	Marketing	13.08.2017	Youth Business Hackers	I participated in marketing camp in order to learn marketing skills and concepts	
Certificate	Top student certificate	Education	13.04.2010	معهد الوفاء الازهرى الخاص بنين	This is to certify my academic rank achievement in my middle school	
Certificate	Top student certificate	Education	13.02.2008	معهد الوفاء الازهرى الخاص بنين	This is to certify my academic rank achievement in my Primary school	
Certificate	Top student certificate	Education	4.01.2009	معهد الوفاء الازهرى الخاص بنين	This is to certify my academic rank achievement in my primary school	
Certificate	Best painting	Art	1.07.2003	معهد الوفاء الازهرى الخاص بنين	This is to certify my drawing talent in my primary school	

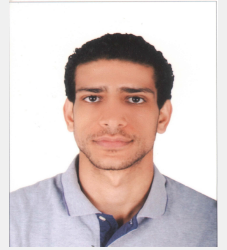


Type	Name	Award, Project, Certificate	Date	Institution	Description	
Certificate	Top student certificate	Education	8.06.2010	معهد الوفاء الازهرى الخاص بنين	This is to certify my academic rank achievement in my middle school	
Certificate	Top student certificate	Education	28.04.2010	معهد الوفاء الازهرى الخاص بنين	This is to certify my academic rank achievement in my middle school	
Certificate	Top student certificate	Education	22.11.2009	معهد الوفاء الازهرى الخاص بنين	This is to certify that I was one of the best students in Arabic language as a subject in my middle school	
Certificate	Top student certificate	Education	24.02.2010	معهد الوفاء الازهرى الخاص بنين	This is to certify my academic rank achievement in my primary school	
Certificate	Top student certificate	Education	7.03.2006	معهد الوفاء الازهرى الخاص بنين	This is to certify my academic rank achievement in my primary school	
Certificate	Top student certificate	Education	21.03.2007	Ebad-El Rahman Mosque	This is to certify my academic rank achievement in my primary school	
Certificate	Top student certificate	Education	4.04.2005	معهد الوفاء الازهرى الخاص بنين	This is to certify my academic rank achievement in my primary school	
Certificate	Ramadan fasting	Religious	14.09.2005	معهد الوفاء الازهرى الخاص بنين	This was a certificate to support me because I had been fasting during the whole month of Ramadan	
Certificate	Top student certificate	English Language Course	29.09.2007	El Mohamady Abdel Maqsoud's office	This is to certify my good qualification in an English language course	
Certificate	A great Contribution in an art activity	Art	5.03.2007	معهد الوفاء الازهرى الخاص بنين	This is to certify my great contribution in an art activity	
Certificate	Certificate of good conduct	Education	11.07.2007	معهد الوفاء الازهرى الخاص بنين	This is to certify my good conduct during the primary school	
Certificate	Quran Certificate	Quran memorization	27.11.2008	معهد الوفاء الازهرى الخاص بنين	it was a certificate about memorizing the half of the holy Quran .	



Type	Name	Award, Project, Certificate	Date	Institution	Description	
Certificate	Top student certificate	Education	18.11.2008	معهد الوفاء الازهرى الخاص بنين	This is to certify my academic rank achievement in the primary school	
Certificate	A Computer Skills Workshop participation	Computer skills	20.06.2007	Sonaa El Hayah Charity	This was to certify that I completed a computer skills workshop	
Certificate	Quran Certificate	Quran memorization	8.07.2008	معهد الوفاء الازهرى الخاص بنين	it was a certificate about memorizing the holy Quran .	
Certificate	Quran Certificate	Quran memorization	19.04.2005	معهد الوفاء الازهرى الخاص بنين	it was a certificate about memorizing the holy Quran .	
Certificate	Quran Certificate	Quran memorization	18.02.2010	معهد الوفاء الازهرى الخاص بنين	it was a certificate about memorizing the holy Quran .	
Certificate	Top student certificate	Education	10.04.2007	معهد الوفاء الازهرى الخاص بنين	This is to certify my academic rank achievement in my primary school	
Certificate	Quran Certificate	Quran memorization	26.12.2007	معهد الوفاء الازهرى الخاص بنين	it was a certificate about memorizing the holy Quran .	
Certificate	Top student certificate	English Language Course	18.08.2007	معهد الوفاء الازهرى الخاص بنين	This is to certify my good qualification in an English language course	
Certificate	Football Achievement	Sport	1.02.2008	مركز شباب المعصرة	this was a certificate about Football sport 2nd position achievement	
Certificate	Top student certificate	Education	22.03.2005	معهد الوفاء الازهرى الخاص بنين	This is to certify my academic rank achievement in my primary school	
Certificate	Certificate of good conduct and behaviour	Education	13.03.2005	معهد الوفاء الازهرى الخاص بنين	This is to certify my good conduct during the primary school	
Certificate	Top student certificate	Education	10.02.2006	معهد الوفاء الازهرى الخاص بنين	this was a certificate of my great skills in mathematics during the primary school	

Work Experience / Internship Experience



Internship Experience

National Authority for Remote Sensing & Space Sciences, / satellite technology / 1 Month

Company/Institution Name / Subject/topic of Internship / Duration of Internship

Internship Experience

EgyptAir Maintenance & Engineering Training Center / Airplanes Maintenance / 2 Month

Company/Institution Name / Subject/topic of Internship / Duration of Internship

Academic Activities

Information on Hobbies

I like sports so much especially Squash ,Tennis Table ,basketball and football .and I like to travel to explore the world and to find more about the new cultures and doing photography as well .

- › Science / Technology › Fine Arts › Sports and Outdoor Sports › Book
- › Travel › Cinema › Intelligence games

Special Talent Information

- › Photography › Football › Basketball › Athletics
- › Cycling › Tennis › Weightlifting

Voluntary Activities

Name	Institution/NGO you served at	Description
Namaste 2.0	AIESEC India	- Arranged English & Mathematics lectures for Indian students and monitored their progress - Instructed a class of 30 Indian students in elementary math and English. - Operated sessions for students and locals about civic engagement and citizenship duties. - Analyzed and evaluated Indian community's issues, development and economy. - Marketed the project and collected donations for various events. - Planned and designed different sessions including debates and culture nights.
community development	AIESEC 6TH of October	- Designed and customized-various projects for different goals. - Distributed team tasks on each team-member and finding sponsors for every project. - Marketed projects over internet and different social media means. - Conducted interviews, matching, pickups and precipitating interns.



Institution/NGO		
Name	Years served at	Description
convoys		Basic necessary for unable families in Egypt's slams. -Designed and customized sorting system for collected and received donation. -Distributed basic necessary on families in Egypt's slams. - Every-year we helped more than four thousands family in slams and poor neighborhood

Reference Information

Name	Surname	Company/Institution Name	Title/Position	This information belongs to my academic reference.	Phone	E-mail	
Amr	El Guaily	Faculty of Engineering, Cairo University	Associate Professor	Yes	+2 3567 8073	amr.guaily@cu.edu.eg	
Hani	Negm	Faculty of Engineering, Cairo University	Emeritus Professor	Yes	+202-356-7-86	hmnegm_cu@hotmail.com	
Ola	Rashed	Faculty of Engineering, Cairo University	Associate Professor	Yes	+202-356-7-86	Olarashed@gmail.com	
Alay	Thakkar	AIESEC India	Project President	No	+919825411230	alay.thakkar@aiesec.net	

Interview Location

Egypt / Cairo

Country / City

Education Information

Undergraduate (Graduate)

CAIRO UNIVERSITY FACULTY OF ENGINEERING / FACULTY OF ENGINEERING / **Mechanical Engineering**

University / Faculty/Graduate School / Department

Egypt / Cairo

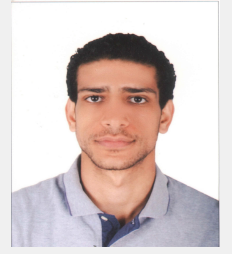
Country / City

100 / 81.89

Grading System / Grade

15/09/2014 - **01/08/2019**





Start date / Graduation Date

/ 3

Level of Achievement / Achievement Rank



My Applications

Year	Term/Semester	Scholarship programme	Results
2019	2019 Başvuru Dönemi - Genel	Lisansüstü Burs Programı	
2020	2020 Başvuru Dönemi - Genel	Lisansüstü Burs Programı	

Türkiye Experience

No

Are you in Turkey now or Have you ever been to Turkey ?

What was the purpose of your stay in that country?

-

YU No (Foreign Number)

- / -

Start date / Graduation Date

No

Have you ever received a scholarship from any institution or organisation in Turkey?

-

Institution/organisation that provided the scholarship

Social Media

Please specify how you learned about this scholarship?

No

Do you have a relative who is currently or was previously a holder of a Türkiye Scholarship?

No

Do you have any relatives living in Turkey?