ADDRESS

Cairo, Egypt

BIRTHDATE

06/03/1994

GET IN TOUCH

☎ +201100001709

✉ ziadelalaily@outlook.com

🌐 ziadelalaily.netlify.app

SOCIAL MEDIA

in /ZIAD-ELALAILY-195A44140

⌗ HTTP://GITHUB.COM/ZIAD-ELALAILY

LANGUAGES

English
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Arabic
●●●●●○

German
●●○○○○

French
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PERSONALITY

✓ Communicative
✓ Punctuality
✓ Creativity
✓ Organized
✓ Ability to work under pressure
✓ Quick Learner

ZIAD AMR EL-ALAILY

MECHATRONICS AND MACHINE LEARNING ENGINEER

Skilled Mechatronics and Machine Learning Engineer who excels at juggling multiple tasks and working under pressure. Broad experience in manufacturing and product environments. Strong leadership and relationship-building skills.

EDUCATION

2012 - 2017
BACHELORS OF ENGINEERING (B.Eng.) in Mechatronics

German University in Cairo
Grade: Very Good, Graduation Project: Excellent

EXPERIENCE

2018 - PRESENT
Human IT Solutions (HITS) - Egypt

Mechatronics and Machine Learning Engineer

As a Machine Learning Engineer, I worked on cognitive senses for an Autonomous Surveillance Robot using state-of-the-art models. Worked on a Sign Language Interpreter project.

2014 - 2017
German University in Cairo (RASLab)

Senior Lab Researcher

Working on many projects including autonomous vehicles, flying robots, image processing related projects, as well as help bachelor students to achieve their goals.

SKILLS

- Good Communication - written and oral skills

- Excellent conceptual and analytical skills

- Effective interpersonal skills

- Excellent contact skills with children gained through my experience as a volunteer teacher

- Presenting my ideas using verbal skills like clarity and concision and non-verbal ways like body language, eye contact and hand gestures

TECHNICAL SKILLS

Keras and TensorFlow

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Deep Learning

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Python

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SolidWorks and Matlab

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C Languages

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Web Development

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VOLUNTEER WORK

Image Processing Consultant at the German University in Cairo

Assigned to support other fellow engineers to understand image processing basics and image processing algorithms within different projects

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PROFESSIONAL TRAINING

- *Full stack web development bootcamp*
- *Machine learning nanodegree*
- *Python course*
- *SQL course*

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PROJECTS

- Made a website for ASBIM

Worked on a website and set it up completely using html, css and js

- Egyptian Sign Language Interpreter using Machine Learning algorithms

Using face detection and recognition techniques.

- Simultaneous Localization and Mapping using Kinect Camera

3D map and showed my navigated path (Part of B.sc project)

- Multiple Khepera platform swarm control with dynamic obstacle handing

Using image processing techniques, three Kheperas were for group formation and obstacle avoidance using different approaches

- Smart Home Artificial intelligence

Control a Smart home from automated lighting to daily updates through a phone app and smart mirror

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PUBLICATIONS

- Development of a hybrid multi-layer control architecture for a cooperative team of N - homogeneous robots

ElAshry, Abdelrahman F., et al. "Development of a hybrid multi-layer control architecture for a cooperative team of N- homogeneous robots."

Transactions of the Institute of a Measurement and Control (2019): 0142331219872862

- Development and Evaluation of a Low-Cost Heterogeneous Multi-Robot System Platform

Alalaily Z.A., Abo-Oof, A.H.A., Ramadan M.M., Zayed, M.M., Safar, A.M. and Shehata, O.M.

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RECOMMENDATIONS

- Prof. Dr. Saaid Imam Morgan

Head of Department and Vice Dean for Academic Affairs The German University in Cairo, Faculty of Engineering and MAterials Science (EMS) elsayed.morgan@guc.edu.eg

- Dr. Omar M. Shehata

Eng.D holder in Robotics Engineering, Lecturer Assistant & Research Assistant in the MEchatronics Department

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