





## zitouni rabiaa

**Date of birth:** 03/02/1990

**Nationality:** Tunisian

### CONTACT

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### ABOUT ME

Doctor in electrical engineering

### WORK EXPERIENCE

**01/09/2023 – CURRENT** Tunis

**University teaching assistant** Esprit School of Business

**01/10/2021 – 30/06/2023** gabes, Tunisia

**Contractual Assistant** Higher Institute of Computer Science and Multimedia of Gabes

**10/2021 – 31/12/2021** sfax, Tunisia

**Temporary Assistant** Faculty of Science of Sfax

**10/2018 – 05/2019** gabes, Tunisia

**Contractual Assistant** Higher Institute of Computer Science and Multimedia of Gabes

**10/2017 – 12/2017** sfax, Tunisia

**Temporary Assistant** Faculty of Science of Sfax

**10/2016 – 12/2017** Sfax, Tunisia

**Temporary Assistant** Faculty of Science of Sfax

### EDUCATION AND TRAINING

**2016 – 2021**

**Philosophy Doctor (Ph.D) in Electrical Engineering** National school of engineering of Carthage

**Thesis** Title :Modeling and learning spatial relationships for the recognition of Arabic handwritten script

**2012 – 2014**

**Research master's degree in computer sciences** Faculty of Science of Sfax

**Thesis** Title : On-line Handwriting Modeling and Synthesis Via Hidden Markov Models

**2009 – 2012**

**Fundamental licence in computer science** Faculty of Science of Sfax

**2009**

**Baccalaureate Degree in Mathematics**

### LANGUAGE SKILLS

**MOTHER TONGUE(S):** Arabic

## Other language(s):

### English

**Listening** B2

**Reading** B2

**Writing** B2

**Spoken production** B2

**Spoken interaction** B2

### French

**Listening** C1

**Reading** C1

**Writing** C1

**Spoken production** C1

**Spoken interaction** C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## DIGITAL SKILLS

Matlab | python | C# | vb | C | Microsoft Office | HTML | Graph Theory | Support Vector Machine | Deep Learning | Machine Learning

## ADDITIONAL INFORMATION

### Conferences and seminars

**12/12/2020 – 15/12/2020** online

**International Conference on Intelligent System Design and Application ISDA** participation and oral presentation of paper

Link <http://www.mirlabs.org/isda20/>

**27/02/2020 – 29/02/2020** Malte

**International Joint Conférence on Imaging and Computer Graphics Theory and Applications GRAPP** participation and presentation of paper as poster

Link <https://visigrapp.scitevents.org/>

**20/12/2019 – 22/12/2019** Monastir, Tunisia

**International Training Workshop: Basics of Machine Learning & Python** training

Link <http://www.setit.rnu.tn/ML2019/index.html>

**03/05/2019 – 04/05/2019** sfax, Tunisia

**1 st workshop: NEW TECHNOLOGIES, DEEP LEARNING AND BLOCKCHAIN WORKSHOP** training

Link <https://enetcom.rnu.tn/fra/articles/418/new-technologies--deep-learning-and-blockchain-workshop>

**01/11/2018 – 03/11/2018** munich, germany

**International Conference on machine vision ICMV** participation and oral presentation of paper

Link <http://www.icmv.org/>

**11/04/2016 – 14/04/2016** santorini, greece

**International Workshop on Document Analysis Systems DAS** participation and presentation of paper as poster

Link <https://www.primaresearch.org/das2016/>

### Communication and interpersonal skills

- **Good communication skills gained through my training and experience as researcher**

## ADDITIONAL INFORMATION

### Journals

1. Zitouni, R., Bezine, H. & Arous, N. Online handwritten scripts classification using fuzzy attributed relational graphs. *Int. J. Mach. Learn. & Cyber.* (2023). <https://doi.org/10.1007/s13042-023-01772-2>. (IF=4.37, SJR=1, Q1)

2. Zitouni R., Bezine H., Arous N. (2021), "On-line Handwritten Arabic Scripts Recognition Using Stroke-Based Class Labeling Scheme", *Int. Journal of Computational Intelligence systems*. vol. 14, n°1, pp. 187-198, <https://doi.org/10.2991/ijcis.d201024.001>. (IF=1.8, SJR=0.4, Q2)

## Publications in the proceedings of conferences

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1. **Zitouni R.**, Bezine H., Arous N., "Graph based Method for Online Handwritten Character Recognition". Int. Conf. on Computer Vision, Imaging and Computer Graphics Theory and Applications, GRAPP'20, pp. 263–280, Malta, 2020. DOI: 10.5220/0008956602630270.
2. **Zitouni, R.**, Bezine, H., Arous, N.: Template matching and deep CNN-SVM for On-line characters recognition, Int. Conf. on Intelligent Systems Design and Applications, ISDA'20, pp.891-900, Online, 2020. DOI: 10.1007/978-3-030-71187-0\_82.
3. **Zitouni R.**, Bezine H., Arous N. "Fuzzy Rules-Based System for Description of Spatial Relations among Handwriting Strokes". Int. Conf.on Machine Vision, ICMV'18, pp.466–471, Munich, Germany, 2018.DOI: 10.1117/12.2522986.
4. **Zitouni R.**, Bezine H., Arous N., "Handwriting Drawing and Learning through Generation". Int. Workshop on Document Analysis Systems, DAS'16, Santorini, Greece, 2016.

## Scientific Associations

**2016 – CURRENT**

**Student Member of Electric and Electronic Engineering (IEEE)**

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