

Raika Karimi

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EDUCATION

School of Electrical & Computer Engineering, University of Tehran, Tehran, Iran

- **B. Sc.** in Electrical Engineering (Telecommunications) Sep 2013 – Mar 2018
 - Cumulative GPA: 3.28 / 4.00

Ulgoo Tose Nemoone High School, Tehran ,Iran

- High School, Mathematics & Physics Sep 2009 – Jun 2013

HONORS & AWARDS

- Silver medalist at Iran's National Mathematical Olympiad Aug 2012
- Achieved certificate at International Mathematics Competition (IMC) in South Korea May 2010
- Fellowship of National Elite Foundation of Iran, Awarded Full Scholarship since 2012

RESEARCH EXPERIENCE

European Molecular Biology Laboratory, Heidelberg, Germany

- Internship Mar 2018– Jul 2018
 - Supervisor: Dr. Jonas Ries
 - Focus: Image processing, fluorescent Microscopy in **4Pi**, Parallel processing.

Secure Communication Lab, University of Tehran

- Voice Event Detection By Deep Learning Sep 2017 – Present
 - Supervisor: Dr. Mohammad Ali Akhaee
 - Focus: Deep Learning, Pattern Recognition, Neural Networks.
- Keystroke Dynamic Jun 2016 – Sep 2017
 - Supervisors: Dr. Mohammad Ali Akhaee and Dr. Sadaf Salehkalaibar
 - Focus: User Authentication, Pattern Recognition, Machine learning.
- Eye Gaze Tracking Sep 2015 – May 2016
 - Supervisor: Dr. Mohammad Ali Akhaee
 - Focus: Image Processing, Pattern Recognition, Machine learning.

PUBLICATIONS

R. Karimi, R. Toosi, and M. Akhaee, "User Authentication Based on Keystroke Dynamics Using Digraph Distribution," in *IEEE International Conference on Acoustics, Speech and Signal Processing(ICASSP)*, Brighton, UK, Apr 2019. (In Preparation)

WORK EXPERIENCE

Teaching assistant in **Discrete Mathematics**

- Teacher: Dr. Siamak Mohammadi Fall 2017

Teaching assistant in **Telecommunication Theory**

- Teacher: Dr. Maryam Sabaghian Fall 2017

Teaching assistant in **Digital Signal Processing**

- Teacher: Dr. Mohammad Ali Akhaee Spring 2017

Teaching assistant in **Signals & Systems**

- Teacher: Dr. Mohammad Ali Akhaee Fall 2016

Teaching assistant in **Signals & Systems**

▪ Teacher: Dr. Sadaf Salehkalaibar

Fall 2016

Teaching Math Olympiad (Geometry and Combinatorics) In Salam Highschools

Sep 2013– Present

FIELDS OF INTERESTS

Deep Learning
Computational Biology
Image Processing
Signal Processing

SKILLS

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- MATLAB & Simulink
 - Coding
 - C Programming
 - Cuda (Familiar)
 - Verilog (Familiar)
 - Python (Familiar)
 - Latex
 - Spice
 - Quartus

LANGUAGES

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- English: Fluent (TOEFL).
 - Persian: Native Language.

Mar 2018

HOBBIES AND INTERESTS

Playing Tar (one of Iranian's music instrument) and Setar, Playing soccer, Playing Tennis, Swimming.

REFERENCES

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- **Dr Mohammad Ali Akhaee**
Assistant Professor of Electrical and Computer Engineering
University of Tehran
Director of Secure Communication Lab
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 - **Dr Maryam Sabbaghian**
Assistant Professor of Electrical and Computer Engineering
University of Tehran
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