

Babak Maser

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📄 [bmaser.github.io/](https://github.com/bmaser)

Affiliation

Student of Joint M.Sc. program in [Applied Image and Signal Processing \(AISP\)](#), Department of [Computer Science](#), [University of Salzburg](#) and Salzburg University of Applied Sciences.

Education

- Joint M.Sc. Applied Image & Signal Processing, Department of computer Science, University of Salzburg and Salzburg University of applied Sciences, 2016 - Present.
- M.Sc Computer Science, Department of Computer Science, Fergusson College affiliated to University of Pune, India, GPA: Higher Second Class.
- B.Eng. Chemical Engineering, AU, Iran.

Research Interest

- Image Processing & Computer vision
- Media Security & Biometrics system.
- Machine Learning & Pattern Recognition
- Medical Imaging
- Satellite Imaging, GIS.

Publication/Proceeding Paper

2019

ICB 2019 PRNU-based finger vein sensor identification On the effect of different sensor croppings, Greece, Accepted.

IWBF 2019 PRNU-based Detection of Finger Vein Presentation Attacks, Mexico, Accepted.

ICBEA 2019 Finger Vein Image Compression With Uniform Background, Stockholm, Sweden, Accepted, This paper will be published in ACM Conference Proceedings (ISBN: 978-1-4503-6305-1) and submitted to be reviewed by Thomson Reuters Conference Proceedings Citation Index (ISI Web of Science).

ARW/OAGM 2019 PRNU-based Finger Vein Sensor Identification in the Presence of Presentation Attack Data, Austria, Accepted.

2018

BIOSIG 2018 Finger-vein Sample Compression in Presence of PreCompressed Gallery Data, in International Conference of the Biometrics Special Interest Group, BIOSIG 2018: Darmstadt, Germany.

Academic projects

- Project: People counting using UCSD Pedestrian dataset with deep learning approach, 2017.
- Project: Detection of Morphed Face Images using Deep learning. This project was done by Pytorch framework with AlexNet model, 2017/18.
- Project: A Survey on effect of pre-processing and Feature extraction on Fingure-vein recognition using SIFT, SURF, BRIEF and ORB. 2017/18
- Project: Semantic word vectors using word2vec, 2018.

Work Experience

University Teaching: Adjunct lecturer

2012-2014 **University of applied science and Technology .**

- Software modeling and design (OOAD, UML 2.1),
- Object Oriented Programming (OOP),
- Computer Networking,
- ICT (Mobile Networking and mobile network protocol),
- Machine Language and assembly programming.

IT Industry

2013-2015 **System Analyst** , *Knauf Company, Tehran, Iran.*

2012-2013 **Software Architect and project manager** , *at Tehran Rayaneh Shahr company.*

2009–2011 **Project manager and coordinator for development of News-Room automation software**, *SAAT Co. Ltd. company.*

2008–2009 **System Analyst for TV station customized software** , *Jooya Informatics Group.*

Technical Skills

- Programming Language: Python 2.7 and 3.x , Matlab
- Tools: Pycharm, Jupyter Notebook, Gnu-plot, matplotlib, Latex

Course

- Image Processing & Computer Vision, Advance Computer Vision, Media Data Formats (Data Compression Techniques), Machine Learning, Multimedia Security, Medical Imaging, Filterbanks and Wavelets, Biometric Systems, Pattern Recognition I & II, Advanced Mathematics for Computer Science, Signal and System I & II, Digital Signal Processing I & II.