

Curriculum Vitae – Azmi A. Haider

August 1, 2022

Experienced algorithm engineer in the field of image processing/computer vision. Currently pursuing a PhD in computer science at the University of Haifa and seeking a student/part time job.

Very motivated and passionate about learning and gaining more experience in the fields of machine learning/deep learning.

(1) Personal Details:

Name: Azmi A. Haider

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<http://www.azmihaider.com>

(2) Languages:

- Arabic – mother tongue
- Hebrew – fluent.
- English – fluent.

(3) Education:

2021 – current	Ph.D. in Computer Science - University of Haifa Supervisor: Prof. Hagit Hel-Or	Haifa, Israel
2017 – 2020	M.Sc. (with research) in Computer Science - University of Haifa Research topic: Forgery Detection in depth images. Supervisor: Prof. Hagit Hel-Or	Haifa, Israel
2012 – 2017	B.Sc. in Electrical engineering – Technion, Israel Institute of Technology <i>Program: Computer and software engineering.</i>	Haifa, Israel
2011 – 2012	Preparatory year - Technion- Israel Institute of Technology pre-university education .	Haifa, Israel

(4) Academic scores/awards:

2021	Ph.D. scholarship: University of Haifa excellence scholarship for PhD students.
2020	M.Sc. excellence recognition: Dean's excellence for master's degree (3 rd in class – GPA=94)
2018 – 2019	M.Sc. scholarship: Israeli Science Foundation (ISF).
2018	M.Sc. scholarship: The Center for Cyber Law and Policy (CCLP) at University of Haifa
2011 – 2016	B.Sc. scholarship (Full degree funding): N.A.M scholarship for Outstanding Arab Youth.

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(5) Publications and presentations at Conferences:

- 2022 Fake Imaging and the Modern Law of Evidence
A joint work with the department of Law at the University of Haifa
Accepted at the UIC Review of Intellectual Property Law
<https://repository.law.uic.edu/ripl/vol21/iss2/6/>
- 2022 What Can We Learn from Depth Camera Sensor Noise?
MDPI journal, Section Sensing and Imaging.
<https://www.mdpi.com/1424-8220/22/14/5448>
- 2018 “Forgery detection in 3D-Sensor images” Salt Lake City, Utah, USA
lecture given at CVPR - Conference of Computer Vision and Pattern Recognition.
https://openaccess.thecvf.com/content_cvpr_2018_workshops/w32/html/Privman-Horesh_Forgery_Detection_in_CVPR_2018_paper.html

(6) Professional Activities:

(6a) Professional activity in corporations:

- 2020 – current **Computer vision and Data science algorithms Intern – Intel corporation** Haifa, Israel
Algorithm developer for Face authentication project
Researching and optimizing deep learning networks (via Python).
- 2019 – 2020 **Computer vision engineer - Intel corporation (EyeC LiDAR sensors)** Haifa, Israel
Image quality validation for LiDAR point clouds.
Developing evaluation metrics for point cloud images.
- 2015 – 2019 **Computer vision Intern - Intel corporation (RealSense depth cameras)** Haifa, Israel
Image quality validation team, the role included:
- Developing new image quality metrics (via MATLAB).
 - 2D and 3D detection algorithm development.
 - Stereoscopic & Time of Flight camera technology.

(6b) Professional activity in academia:

- 2021 **Teaching assistant – department of computer science, University of Haifa** Haifa, Israel
Image processing course teaching assistant (+ building a preparatory python course).
- 2018 - 2019 **Homework checker – department of computer science, University of Haifa** Haifa, Israel
Courses: computer vision, Image processing

(7) Specialty skills and courses:

(7a) Online Courses:

- Udemy: 2021 Complete Python Bootcamp From Zero to Hero in Python

(7b) Specialty skills:

- Experience in image processing, computer vision.
- Experience in 3D image technologies and depth imaging (depth cameras).
- Experience in machine learning/deep learning.
- Programming languages: MATLAB (work experience), Python (work experience).