Khalil Eslami Jahromi

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**Birth Date:** 07/08/1989 **Nationality:** Dutch and Iranian (Dual)  
**Marital Status:** Married **Address:** Hudson 19, 2911 CW, Nieuwerkerk a/d IJssel, The Netherlands

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**Personal Profile**

* Specialist in programming languages (particularly LabVIEW) in terms of system integration, automation, and communication to control and monitor a whole system automatically and remotely
* Expert on data equation, data analysis and signal processing
* Multidisciplinary know-how, goal-oriented with professional communication skills demonstrated in international projects

**Job Related Skills in LabVIEW**

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| --- | --- |
| * **Certified LabVIEW Associate Developer (CLAD):** badge issued by National Instrument (NI) [[Link](https://www.credly.com/badges/13c195d5-fc7f-425f-be47-8425304f9e0d/linked_in?t=rxd2q1)] * **Automation:** Automating systems and machines * **System control:** reading data and writing commands from various electronic devices * **System sequences**: making operational sequences according to the condition (automatically and manually), based on state machine, event driven, queued message handler structure and so on * **Analogue and digital data acquisition:** using data acquisition (DAQ) cards, programmable logic controller (PLC), USB, RS serial communication and other communication protocols | * **Communication with electronic devices:** such as PLCs, heat, temperature, and humidity sensors, cooler, heater, pressure and flow meters/controllers, pumps, detectors, shutters and switches, scanners, fans and so on * **Professional user interface (UI)**: providing user-friendly and attractive UI for users * **Integrating LabVIEW with other programing languages:** such as MATLAB and Python * **Data processing:** In terms of data acquisition, and data analysis * **Other software and computer skills:** MATLAB, Python, Fortran, Git, Origin, Zemax, Latex, Adobe Photoshop and Illustrator, CorelDRAW, Maple, Ulead VideoStudio, ICDL (windows, Internet, Microsoft Office, …) |

**Work Experience and Projects**

LabVIEW Software Engineer Sep. 2022 to current

Intgero Intergrity, The Netherlands

Research and Development Scientist (R&D) Nov. 2020 to Sep. 2022

Storex BV, The Netherlands

Postdoc Researcher Nov. 2020 to Sep. 2022

Radboud university, Nijmegen, The Netherlands

Significant Research Projects Contributor Sep. 2016 to Nov. 2020

Radboud university, Nijmegen, The Netherlands

Actively contribution to the projects:

* Maximizing freshness and minimizing losses of agriculture products through automated atmosphere management in storage facilities (MAX-FRESH), (Project: H2020, 958840) [[Link](https://max-fresh.eu/)]
* Real-time “interactive storage” quality control in fresh agro products (QCAP), (Project: NWE 363) [[Link](https://www.nweurope.eu/projects/project-search/real-time-interactive-storage-quality-control-in-fresh-agro-products-qcap/#tab-1)]
* Mid-infrared supercontinuum laser-based trace gas detection for quality sensing of fresh agro products, (Project: NOW 14709) [[Link](https://www.nwo.nl/en/research-and-results/research-projects/i/50/26350.html)]
* Maximizing freshness and minimizing losses of agriculture products through automated atmosphere management in storage facilities [[Link](https://cordis.europa.eu/project/id/958840)]
* Flying ultra-broadband single-shot infra-red sensor (FLAIR), (Project: Horizon 2020, 732968) [[Link](https://www.h2020flair.eu/home)]

Teaching Assistant Sep. 2016 to Nov. 2020

Radboud university, Nijmegen, The Netherlands

* Helped M.Sc. students learning concepts through one-on-one and small group tutoring for both theoretical and experimental educations.
* Took attendance, graded assignments, and maintained routine student records.

Researcher Sep. 2012 to Sep. 2016

Kharazmi Nano-Photonics Laboratory, Tehran, Iran

* Project contribution: Fabrication and optimization of UV detectors
* Fabrication, investigation, and optimization of metal-semiconductor ohmic contacts on doped ZnO nanostructures
* Theoretically and experimentally investigation on ohmic and schottky contacts*.*

Teaching assistant Sep. 2014 to Sep. 2015

Kharazmi University, Tehran, Iran

* Teaching assistant: Weekly assistant in the course “Modern Physics” for B.Sc. students

Executive committee member Sep. 2014 to May 2015

Iran Nano Society, Tehran, Iran

* In “2nd national congress and workshops on nanoscience and nanotechnology” at Kharazmi University (May 2015)

**Education**

**PhD, Molecular and Laser Physics** Sep. 2016 to Nov. 2020

Radboud University, Nijmegen, The Netherlands

* Supervisor: Assoc. Prof Frans J.M. Harren
* Field of research: Broadband optical absorption spectroscopy for multi-species trace gas sensing

Master, Physics-Photonics Sep. 2012 to Oct. 2014

Kharazmi University, Tehran, Iran

* Total GPA: 16.47/20
* Thesis title: Investigation and optimization of metal-semiconductor ohmic contacts on doped ZnO nanostructures (a part of UV detector project)
* Supervisor**:** Prof. Mohammad Hossein Majles Ara

Bachelor, Physics Sep. 2017 to Sep. 2011

Payame-Noor University, Fasa, Iran

**Personal Skills**

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| --- | --- |
| * **Time management** * **Fast learning** * **Highly organized** | * **Clear communicator** * **Teaching and mentoring** * **Innovative and solution-oriented** |

**Languages**

**English** (Fluent); **Persian** (Native); **Dutch** (Basic); **Arabic** (Basic)

**Honors and Accomplishments**

**Student Paper Award Finalist** in 2020 OSA Optical Sensors and Sensing Congress

**Article reviewer** for pioneered scientific journals

**Ranked 1st** among bachelor students in physics at Payame Noor University of Fasa, Iran

**Funding:** 4 years PhD from Radboud University, Nijmegen, The Netherlands

**General Hobbies and Interests**

Biking, Traveling, Hiking, Volleyball, Watching Movies, Cooking, Learning Dutch Language