


PERSONAL INFORMATION

Hamdi Taher Altaheri




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EDUCATION

2019–current **Studying Ph.D. in Computer Engineering**

Kind Saud University, Riyadh (Saudi Arabia)

Jan 2015–2019 **MSc in Computer Engineering**

Kind Saud University, Riyadh (Saudi Arabia) GPA: 4.93 / 5.0

Thesis: “A Vision System for Date Harvesting Robot”.

website: <https://sites.google.com/view/daterobotic>

Sep 2005–Jul 2010 **Bachelor in Software Engineering**

Taiz University, Taiz (Yemen). GPA: V. Good with Honours (1st top students).

Graduation project: “Universal Control and Security System”. (**Awarded national and university prizes**).

website: <https://sites.google.com/view/ucss>

WORK EXPERIENCE

Sep 2018–Present **Teaching Assistant**

Computer Engineering Dep., College of Computer and Information Sciences, Kind Saud University, Riyadh (Saudi Arabia).

Aug 2017–Sep 2017 **Pilot (drones)**

Senseta Inc. USA, during the Hajj-2017 (crowd management project), Mecca, Saudi Arabia.

Jan 2015–Present **Researcher**

Center of Smart Robotics Research, College of Computer and Information Sciences, Kind Saud University, Riyadh (Saudi Arabia)

Jun 2012–Dec 2015 **Teaching Assistant**

Software Engineering Dep., College of Engineering and Information Technology, Taiz University, Taiz (Yemen)

Jan 2012–May 2012 **Lecturer**

Yemen Tech Institute, Taiz (Yemen)

Jul 2010–Mar 2011 **Researcher**

College of Engineering and Information Technology, Taiz University, Taiz (Yemen)

TEACHING EXPERIENCE

C++, Java (fundamental and advanced), Computer graphics, Web Technology, Simulation and modelling, Digital signal processing, Software project management, Software engineering.

TRAINING

- Oct 2018 **Machine Learning, (online course, Coursera)**
By Stanford University, Andrew Ng.
- 9 Oct 2017– 18 Nov 2017 **Leadership Diploma, (80 hrs, 5 levels)**
Center for Leadership Studies, Riyadh (Saudi Arabia), certified by the Global Office of Senior Trainers Academy GOOSTA (United States).
- Mar 2017 **Autonomous Mobile Robots using ROS (online course, 36 hrs)**
The Robotic Intelligence Lab at Jaume I University, Valencia (Spain).
- 28 Mar 2017–30 Mar 2017 **Certificate in Drone Pilot Training**
Robotics and Internet of Thing (RIoT) Unit at Prince Sultan University, Riyadh (Saudi Arabia)
- 15 May 2013–20 May 2013 **Marketing and Management Diploma**
Certified by Cambridge Corporate University CCU, and the Institute of Certified Cost & Management Accountants ICCA, Taiz (Yemen)
- 1 Jun 2008–30 Jun 2008 **Training in Building Information Systems**
Tishreen University, Latakia (Syria)

MEMBERSHIPS & AWARDS

- since 2019
- IEEE Young Professionals Member.
- since 2019
- IEEE Student Member. (Yemen section)
- since 2014
- Internet Society Member, ISOC. (Yemen chapter)
- (national award) 2012
- Awarded the **Medal of Distinction from the President of Republic of Yemen.**
- (national award) 2010
- Awarded the **12th annual prize of the President of Republic of Yemen** in engineering sciences (one prize awarded annually).
- (university award) 2010
- Awarded the **1st position prize** of the best graduation project in engineering and computer sciences, Taiz University.

PUBLICATIONS & PATENTS

Publications

- **Articles:**

Faisal, M., Alsulaiman, M., Hedjar, R., Mathkour, H., Zuair, M., **Altaheri, H.**, & Mekhtiche, M. A. "Enhancement of mobile robot localization using extended Kalman filter". *Advances in Mechanical Engineering*, Vol. 8(11) 1-11, 2016.

H. Altaheri, M. Alsulaiman and G. Muhammad, "Date Fruit Classification for Robotic Harvesting in a Natural Environment Using Deep Learning", in *IEEE Access*, vol. 7, pp. 117115-117133, 2019. ([10.1109/ACCESS.2019.2936536](https://doi.org/10.1109/ACCESS.2019.2936536))

H. Altaheri, M. Alsulaiman, G. Muhammad, S. U. Amin, M. Bencherif, and M. Mekhtiche, "Date Fruit Dataset for Intelligent Harvesting", *Data in Brief*, vol. 26, p. 104514, Oct. 2019. doi: [10.1016/j.dib.2019.104514](https://doi.org/10.1016/j.dib.2019.104514)

H. Altaheri, M. Alsulaiman, and G. Muhammad, "Date Fruit Segmentation for Harvesting Applications using Superpixel Clustering and Local Binary Patterns". (**under preparation**)
- **Conferences:**

Altamrah, A. S., **Altaheri, H.**, Alsuliman, M., Shehadeh, O. F., & Alotaibi, Y. A. "An Acoustic Analysis and Comparison of Two Unique and Almost Identical Arabic Emphatic Phonemes". In *European Modelling Symposium (EMS), 2017* (pp. 84-88). IEEE.
- **Data**

[dataset] **H. Altaheri**, M. Alsulaiman, M. Faisal, and G. Muhammad, Date Fruit Dataset for Automated Harvesting and Visual Yield Estimation, *IEEE DataPort*, v1, 2019. doi: [10.21227/x46j-sk98](https://doi.org/10.21227/x46j-sk98).

- US Patents
- "Tree harvesting tool." U.S. Patent No. 10,485,171. 26 Nov. 2019.

PERSONAL SKILLS

- Communication skills
- Good communication skills gained through my experience as lecturer and researcher.

- Organisational / managerial skills
- Good team-leading skills gained as **the organizer of the annual exhibition of graduation projects** at Taiz University. Dec 2013.
 - Good organisational skills gained as **IT support manager at TEDxTaiz** in Yemen. May 2014.
 - Good organisational skills gained as **People's Climate Movement activist** in Yemen. Dec 2014.