

EDUCATION

- **King Abdullah University of Sciences and Technology** Thuwal, Saudi Arabia
PhD of Science in Computer Science; GPA: 3.86 Sep. 2013 – Aug. 2018
- **American University of Beirut** Beirut, Lebanon
Master of Science in Computer Science; GPA: 3.68 Jan. 2010 – Jul. 2013
- **Hariri Canadian University** Mechref, Lebanon
Bachelor of Science in Computer Science (with Distinction); GPA: 3.68 Jun. 2006 – Jun. 2009

WORK EXPERIENCE

- **Beirut Arab University** January 2021 - Present
Assistant Professor of Computer Science
- **Phoenicia University** September 2019 - January 2021
Instructor of Computer Science
- **American University of Beirut** Jan. 2010 – Jul. 2013
Graduate Assistant
 - **Workflows:** Deans Office, Faculty of Arts and Sciences. (pivot tables, data visualization, macros)
- **Cleartag** Beirut, Lebanon
Intern May - Jul. 2008
 - **Web Developer:** Web Development department, website prototyping

RESEARCH EXPERIENCE

- **King Abdullah University of Sciences and Technology** Thuwal, Saudi Arabia
Graduate Researcher Sep. 2013 - Sep. 2018
 - **Dissertation Title:** Urban Image Understanding
 - **PhD Adviser:** Prof. Peter Wonka
 - **PhD Co-Adviser:** Prof. Bernard Ghanem
 - **Research Areas:** Computer Vision, Image Processing, Object Detection, Sparse Coding.
 - **Research Summary:** Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam vulputate bibendum varius. Quisque rhoncus a sapien et suscipit. Donec sit amet suscipit libero. Suspendisse rhoncus quam at sapien malesuada sagittis. Donec porttitor laoreet lacus, vitae fermentum risus lacinia vel. Aliquam erat volutpat. Sed ipsum dolor, volutpat vel tempor ut, euismod ut elit. Nulla faucibus ante nec justo interdum, ac volutpat turpis tempor. Donec congue turpis eget ante placerat, ac vestibulum arcu ultricies. Aliquam lorem mauris, consequat nec diam id, vehicula tincidunt eros. Vivamus neque eros, finibus mollis dui in, facilisis aliquam nibh. Donec tempor, augue at congue hendrerit, odio turpis condimentum massa, efficitur feugiat orci mauris non turpis.
- **American University of Beirut** Beirut, Lebanon
Graduate Student Jan. 2010 – Jul. 2013
 - **Dissertation Title:** A Fundamental Framework for Image Matching Based on Large Image Features Dataset
 - **Thesis Adviser:** Prof. Maha El-Choubassi
 - **Research Areas:** SIFT

- **Research Summary:** Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam vulputate bibendum varius. Quisque rhoncus a sapien et suscipit. Donec sit amet suscipit libero. Suspendisse rhoncus quam at sapien malesuada sagittis. Donec porttitor laoreet lacus, vitae fermentum risus lacinia vel.

SKILLS

- **Software:**
 - **Proficient:** MATLAB, C++, L^AT_EX
 - **Basic:** Python, Java, HTML, PHP, VB.NET, OpenCV, CUDA, SQL
- **Languages:** Fluent in English and Arabic (Reading, speaking, and writing).

HONORS

- KAUST Full Scholarship during my PhD studies
- Best Computer Sciences Thesis Award - AUB - June 2013
- Graduate assistance during my Master studies
- Honor list student during my Bachelor studies
- Academic scholarships during all years of my university and high school education

PUBLICATIONS

- **Peer Reviewed Conferences:**
 - **ASCAAD 2022:** Lama Affara, Bilal Nakhal, “Computer Vision Aided Hotspot Detection in Virtual Environments”, International Conference of the Arab Society for Computation in Architecture, Art and Design
 - **ICCV 2017:** Sara Shaheen, Lama Affara, and Bernard Ghanem, “Constrained Convolutional Sparse Coding for Parametric Based Reconstruction Of Line Drawings”, International Conference on Computer Vision
 - **ECCV 2016:** Lama Affara, Liangliang Nan, Bernard Ghanem, Peter Wonka, “Large Scale Asset Extraction for Urban Images”, European Conference on Computer Vision
- **Other:**
 - **Arxiv (To be submitted WACV 2024):** Lama Affara, Bernard Ghanem, Peter Wonka, “Fast Convolutional Sparse Coding in the Dual Domain, arXiv preprint arXiv:1709.09479
 - **Arxiv (To be submitted WACV 2024):** Lama Affara, Bernard Ghanem, Peter Wonka, “Supervised Convolutional Sparse Coding”

REFERENCES

- **Prof. Peter Wonka**
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- **Prof. Bernard Ghanem**
bernard.ghanem@kaust.edu.sa
- **Mrs. Leila Knio**
lknio@aub.edu.lb

REFERENCES

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<http://peterwonka.net/>