

SUMMARY

- Over 6 years of experience in providing Geospatial Consultancy and Solutions design based on the latest academic researches to the governmental organizations.
- Keen perception for extracting important geospatial data.
- Working knowledge with:
 - Geospatial (ArcGIS - Analysis - Python Scripting-Model Builder, Google Earth Engine - Javascript)
 - Geomatics Survey (Total Station, RTK-GNSS, Magnet Tools)
 - UAS Mapping (Lidar -Velodyne VLP-16, Global Mapper, CloudComputing, AgiSoft, Mission Planner)
 - 4) Hydrographic/Marine surveying.
 - Remote Sensing (Python, ENVI-IDL, Google Earth Engine-Javascript)

WORK EXPERIENCE

Deputy Education and Professional Development Councilor **May 2019 to Present**
American Society for Photogrammetry and Remote Sensing (ASPRS) Student Advisory Council (SAC)

Research Assistant **January 2018 to Present**
School of Forest Resources and Conversation - Geomatics Program, UNIVERSITY OF FLORIDA – Gainesville, Florida

Key Tasks/Projects:

- Teaching Assistant for Advanced Photogrammetry, book used “Elements of Photogrammetry with Applications in GIS”
- Conducting research on airborne LiDAR, and Unmanned Aircraft Systems (UAS)

SPEC Lab:

- Member The Spatial Ecology & Conservation (SPEC) Lab at the University of Florida since January 2018.

Volunteering:

- Collaboration with Altavian: Assessment of Accuracy and Precision of UAS flight lines based on ASPRS Standards.
- Conducting necessary survey field work towards detailed identification of trees at a forest site to be published in “The Forest Global Earth Observatory (ForestGEO)”.

Grants:

- Awarded Jumpstart grant for conducting research towards Georeferencing of PhenoCam Images at National Ecological Observatory Network (NEON’s) domain called Ordway Swisher Biological Station (OSBS).

Recognition:

- Mark Eckl Memorial Scholarship
- Outstanding Geomatics Doctoral Student

Senior Information Systems Business Analyst/Business Development Director **April 2014 to December 2017**
GeoLinks Geospatial Technologies Services - Abu Dhabi, UAE

Key Responsibilities/Services:

- Conducting geospatial user needs assessment, understanding stakeholder’s spatial expectations, identifying / creating business use cases, and preparing proposals for geospatial enterprise implementations.

- Geospatial requirements gathering, prototyping, GIS solutions design, development team management, deployment, testing, end users training, and conducting UAT sessions.
- GIS projects for government and ensured that planned activities are completed in a timely manner, highlighted any issues that were due for escalation to the Project Manager and assisted the team in working towards resolving these issues.
- Conducting GIS demos and GIS workshops at customers' sites to help them better understand geospatial value for their businesses.
- Spearheaded the preparation and review of proposals, reports, presentations, activity plans and other projects related documents
- Coordinate internal and external resources, including subcontractors, for the flawless execution of projects and programs.

Business Development Manager

August 2012 to April 2014

Dussmann Middle East GmbH – Abu Dhabi, UAE

Key Responsibilities: -

- Work with different teams in ensuring that the running projects meet prescribed standards and are performed in a timely manner.
- Actively participate in open projects and kept the management updated with the progress in these projects.
- Demonstrate the importance of GIS solutions and the necessity of the same from a time and cost saving perspective in addition to reviewing and providing feedback on technical and business reports as and when required Analysis of Existing environment and existing workflows.

Business Development Manager

March 2010 to August 2012

Emirates Space Imaging Consultancy (ESI) – Abu Dhabi, UAE 2010–2012

Key Responsibilities

- Carryout analysis of clients' existing systems
- Make sure that client requirements are translated into highly specified project briefs
- Identify possibilities for systems solutions to suit both technical and business suitability
- Create accurate proposals for modified systems
- Identify application problems and evaluate procedures and processes
- Implement solutions by creating and evaluating alternative solutions
- Finding prospects, following up on business opportunities and setting meetings
- Preparing technical presentations
- Introducing new product developments to prospective clients
- Supervising the creation of marketing materials
- Writing reports
- Ensuring management are kept in the loop

Part-time Instructor

January 2009 to May 2009

Lebanese American University – Beirut, Lebanon

Key Responsibilities

- Teaching Introductory Computer Courses

Research Scientist

January 2007 to December 2007

Navigation Georeferencing and Mapping (NaGeM), UNIVERSITY OF FLORIDA – Gainesville, Florida

Key Responsibilities

- Worked on a cost effective camera system for Aerial Photography application.
- Conducted research on Mobile and Terrestrial LiDAR.

Developer (mobile apps, design, coding)**January 2006 to January 2007***PhoneOmena Inc. – Gainesville, Florida**Key Responsibilities*

- Developer (mobile applications, design, coding, testing, tech support)

Research Scientist**2002 to 2005***Pervasive Computing Laboratory / Gator Tech Smart House. UNIVERSITY OF FLORIDA – Gainesville, Florida**Key Responsibilities*

- Graduate Research Assistant: Engaged in R&D and contributed to one of the world famous Smart Home Projects. R&D included system integration of heterogeneous network of sensors, devices and computers, developing human centric applications for the elderly population, performance benchmarking and supporting full life cycle of the instrumented smart house.

EDUCATION**Masters of Science major Computer Information Science and Engineering (CISE)****2006***University of Florida***Masters of Science major Computer Science****2001***Lebanese American University***Bachelor of Science major Computer Science****2000***Lebanese American University***Diploma in Business and Office Practice****1996***Siblin Training Center (UNRWA)***CERTIFICATES****Certificate (Graduate) – Mapping with Unmanned Aerial Systems****December 2018***University of Florida – Geomatic Program***HONORS**

- Received Second Place in Mobile Computing “Killer Applications” Competition held on Dec 12, 2002 and sponsored by Motorola corporation.
- Received Leb. American Univ. Scholarship, Distinction List, and Honor List.
- Gator Tech Smart House featured on Discovery Channel “Beyond Tomorrow 2005”, I have the video and I appear in it.
- Further details can be provided upon your request.

US PATENT**Patent Number: 20050057361****Title:** *Remote surveillance and assisted care using a mobile communication device***Abstract:** *A method of remote surveillance and assisted care using a mobile communication device can include determining a location of a user. The method can also include adjusting at least one camera according to the location, and capturing an image of an area around the location. Further, the method can include transmitting the image to a remote information processing system.*

PUBLICATIONS

Book Chapters

"The Gator Tech Smart House: An Assistive Environment for Successful Aging," Book Chapter in "Advanced Intelligent Environments," H. Hagrass, Editor, Springer Verlag.

Journals

"Unmanned Aircraft Systems (UASs) for ecological research and natural-resource monitoring", *Journal of Ecological Restoration*, Vol. 26 , No. 1.(2008)

Conference Papers

"Precision Directly Georeferenced Unmanned Aerial Remote Sensing System: Performance Evaluation", *Proceedings of the 2008 National Technical Meeting of the Institute of Navigation January 28 – 30, 2008.*

"Characterization of GPS Time Synchronization Error of Medium-format Low-cost Digital Camera System", *National Technical Meeting Conference Proceeding, Institute of Navigation, San Jose, CA, January 28-30, 2008*

"Gator Tech Smart House: A Programmable Pervasive Space", *IEEE Computer magazine, March 2005, pp 64-74.*

"Cost-Precision Tradeoffs in Unencumbered Floor-Based Indoor Location Tracking, *Proceedings of the third International Conference On Smart homes and health Telematic (ICOST), Sherbrooke, Québec, Canada, July 2005.*

"Enabling Location-Aware Pervasive Computing Applications for the Elderly" *Proceedings of the First IEEE Pervasive Computing Conference to be held June 2003 in Fort Worth, Texas.*

"Assistive Environments for Successful Aging," *Proc. of the 1st Int. Conference On Smart homes and health Telematics (ICOST), Paris, France, September 2003.*

"Smart Phone Based Cognitive Assistant", *UbiHealth2003: The 2nd International Workshop on Ubiquitous Computing for Pervasive Healthcare Applications, Seattle, WA, October 2003.*

"Assistive environments for elder care: Integrating smart phones with smart homes." *International Conference on Aging, Disability and Independence, Washington, D.C., December 6, 2003, (ISBN 0-9754783-0-3).*

The Effect of Object Orientation on Software Testing and Maintenance, SCI 2003, Orlando, Florida, July 2003.

GISMO: A Geographical Information System for a Municipality Office. Proceedings of the International Conference on Research Trends in Science and Technology. Beirut, Lebanon. March 2002.

Factory Simulation. Proceedings of the 14th Science Meeting (Book of Abstracts) – 2000 – organized by the National Council for Scientific Research and the Lebanese Association for the Advancement of Science. Beirut, Lebanon. November 2000.

LANGUAGES

- Arabic
- English

REFERENCES

Available on Request