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EDUCATION

PhD in Computing- University of Utah, USA. August 2016-2021:

- **GPA: 3.9/4.0.**
- **Research Projects: Empowering individuals with tetraplegia to participate in outdoor sport activities** [Link](#), Age verification tool [Link](#),

Master in Game Engineering- University of Utah, USA August 2014-August 2016:

- **GPA: 4.0/4.0.**
- **Research project:** Behavior training simulator for Policemen. In collaboration with THE VOID.
Link: <https://www.youtube.com/watch?v=y7ussXLqyDI>

Computer Engineering- Jordan University of science and technology • BS (2013)

- **GPA: 90.1/ 100 and GPA of 97.6 in seven programming courses, ranked 2nd among 81 students**
- **Research Project:** Autonomous Airborne Monitoring System Sensor Triggering.

PROFESSIONAL EXPERIENCE

- **Assistant Professor- Jordan University of Science and Technology**
- **Research Assistant- University of Utah, Salt Lake• 2018:**
- **Teacher and Research Assistant- Jordan University of Science and Technology, Jordan •July 2013- August 2014 :**
 - Help establishing the Gamification of Teaching Lab
 - Teaching Assistant for the following courses:
 - **COMPUTER SKILLS •CIS 421, DATA STRUCTURE & ALGORITHMS**
 - **CS 211, WIRELESS NETWORK SECURITY •NES 514, NETWORK SECURITY LABORATORY •NES 553, and NETWORK PROTOCOLS**
- **Instructor - Game Training Course, Jordan •Feb 2011 – Mar 2011:**
Created a series of training courses for developing games for mobile platforms using game engines, with the association of Jordan Gaming Lab, Brigade, at King Abdullah II fund for Development.
- **Research Assistant, The Jordan University of Science and Technology •June 2011 – Dec 2011:**
Developed a game programming course for undergraduate student in Computer Engineering Department, and introduced some of the latest methods for programming and designing games, using unity 3D game engine.
- **Academic Monitor, The Jordan University of Science and Technology •Dec 2011 – May 2012:**
Supervised student graduation projects that related to mobile programming:
 - Arabic OCR offline processing on android devices

- **Android Game/Application Development:**
Creating games/applications for android device and launching them into the android market with great user ratings and reviews:
 - Future Defense Saving Earth

RELEVANT ACADEMIC COURSEWORK

.NET Framework: UML, C# programing, system programing, introduction to programming, C++ programming language, data structure and algorithms.

Deep Learning: deep (machine) learning with an emphasis on convolutional neural networks.

Mobile Application Programming: Special topics in computer engineering.

DataBases Management: Database applications, Introduction to Databases.

Project Management: Project management course, software engineering.

Web Development: Electronic Business, Introduction to Databases, Introduction to web design.

System and Hardware Programing: microprocessors systems 1, microprocessors systems 2, HDL Computer design, Microprocessor interface lab.

SKILLS AND PROJECTS

- **OpenscienceMap:** 100% pure vector map, with new interactions and visualization packages.
Link: <http://www.opensciencemap.org/>.
- **Kinect Therapy:** Motion game toward changing the old, harsh and painful way of physical therapy to a fun, cheap and at distance one.
Demo: <http://www.youtube.com/watch?v=r0lfjQEPw3s>
- **Game programming:** Created games in different platforms using different game SDKs (XNA, UNITY, UDK), the main focus is Physical Therapy.
- **Motion Sensors:** Worked with motion sensors (Kinect, Nod Ring, Tobii Eye tracker, motion sensors mobile devices).
- **Hardware Programming:** hardware programming such as: PI, PCI, Flight kit with 68k processor.
- **Memory Management Library:** Created optimize memory management system in Linux for better location and freeing allocated memory for process.
- **Airport Simulation:** Simulation for airport performance using OMNET ++.
- **Robotics World:** Worked with various types of robots such as PIONEER3DX and ASCTEC PELICAN to create autonomous systems.

PUBLICATIONS

- ***Leveraging Shared Control to Empower People with Spinal Cord Injury to Participate in Extreme Sports***, Ahmad Alsaleem, Ross Imburgia, Mateo Godinez, Andrew Merryweather, Roger Altizer, Tamara Denning, Jeffrey Rosenbluth, Stephen Trapp, and Jason Wiese 21st International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS), 2019.
- ***How Old Are You?: Towards Identifying Measurable Cognitive Phenomena for Online Age Verification***, Ahmad Alsaleem, Roger Altizer, Tamara Denning
Who are you? Adventures in Authentication (WAY) Workshop 2018, Co-located with SOUPS 2018, Co-located with USENIX Security 2018.
- ***Lessons from Deploying a Diagnostic Game with Children in a Clinical Setting***
Ahmad Alsaleem, Tamara Denning, and Roger Altizer
Workshop on Interactive Systems in Healthcare (WISH), 2017 (CHI 2017 Workshop).
- Mohammad A. Fraiwan, Natheer Khasawneh, Ahmed Malkawi, Muhammed Al-Jarrah, R. Alsa'di and S. Al-Momani ***Therapy Central: On the Development of Computer Games for Physiotherapy***. The 9th International Conference on Innovations in Information Technology (IIT), 2013.
- Mohammad A. Fraiwan, Ahmad Alsaleem, Hisham Abandeh and Omar Aljarrah ***Obstacle Avoidance and Navigation in Robotic Systems: A Land and Aerial Robots Study***. The International Conference on Information and Communication Systems (ICICS 2014) ,2014. IEEE conference.
- Mohammad A. Fraiwan, Ahmad Alsaleem, Hisham Abandeh and Omar Aljarrah, ***A System for Application Development using Aerial Robots***. International Journal of Embedded Systems, 2016.
- Talk, Roger Altizer, Ahmad Alsaleem, Ross Imburgia, Jeff Rosenbluth, ***Computer Control Schemes in Adaptive Recreation: From Screen to Sail and Snow***. ASCIP, Nashville, 2016.

HONORS, AWARDS, AND RECOGNITION

- Demoing Tetra controller @ CES 2017, Las Vegas.
- Multiple Scholarships for graduate studies up to 144000\$.
- Imagine Cup first place at USA finals.
- Imagine Cup 3rd place and World finals.
- Grant from Tobii for eye tracking solutions. Hardware 2000\$.
- Grant from Nod for hand motion tracking. Hardware 500\$.
- Two NSF grant through I-corp competition to start your own company.
- Runner-up position at Grow Utah, concept to company. 7000\$ award.
- First place at ITSEC (World largest simulation conference) competition.

- Awarded First Prize at the International Hackathon for the Social Good in the Arab World, in Abu Dhabi, For Interactive Computer Application for the Physical Therapy, among 50 top students and IT expert from all over the world.
- The first place at the open theme Military track at URC '2 Universities robotics competition.
- Arab mobile developer semi-finals.
- The Second place at Microsoft imagine cup finals, Jordan.
- The dean's honor list for six semesters.
- The Jordan University of Science and Technology honor list for six semesters.
- Distinguished achievements award by the deanship of research newsletter of 2012.
- Best poster award, URC 2012, Dubai, UAE.