Ammar Asmro

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ammarasmaro.com

Professional Profile

- Main programming languages: Java, Python, and familiar with C++
- Skills used in projects
  - Machine learning / Deep learning
  - Natural Language Processing (NLP)
  - Android Development
  - Graph and SQLite databases
  - Git, Cloud computing, MVC architecture, IBM Watson, MATLAB
- Skills in progress
  - HTML, CSS, JavaScript, Node JS, Tableau, Spark
- Participated in code jams, Microsoft coding competitions and 24-hour Hackathons (HackEd)
- Invited to join the Golden Key International Honour Society
- Actively working to improve personal knowledge through online courses

Past and Current Projects

- A chatbot with a personalized knowledge graph builder that maps the semantics found in raw text for better goal-oriented dialogs *(current)*
- A personal static website using HUGO framework www.ammarasmaro.com *(current)*
- Implemented a smart course browser that uses word embeddings, recommendation systems, and the TradeOff Analytics API for a conceptual search engine that will improve the experience of the students.
- Performed a set of experiments for exploring the applications of deep learning in education. From definition generation to finding related documents using semantic and contextual similarities.
- Created a real estate prediction model that classifies properties according to assessed values using Bagged Decision trees with a 76% accuracy. Features about the neighborhoods, security, etc. were collected from multiple resources.
- Built and programmed the controlling circuit of a Microcontrolled Takeout Robot

Education

Master of Engineering | GPA: 3.7   Sep 2016 – Apr 2018
University of Alberta, Edmonton, AB, Canada
- Research area: Software Engineering and Intelligent Systems
- Relevant coursework: Software engineering, Machine learning, and Quality Assurance

Bachelor of Science in Electrical & Computer Engineering | GPA: 3.5   Oct 2010 - Jul 2014
University of Duhok, Duhok, Iraq
- Placed **2nd** in a class of 35 students
- Placed **1st** in the Design day competition for engineering projects

Training

Natural Language Processing Nanodegree   Apr 2018 - Present
Udacity, Online
- Studying the main components of NLP, speech recognition, and machine translation

Iraqi Young Leaders Exchange Program (IYLEP) Jul 2013 - Aug 2013
Virginia Commonwealth University, Richmond, VA, United States
- Used information technology and social media to help non-profit organizations raise funds through social media

Experience

Part-Time Tutor Mar 2018 – Present
Chegg, Remote
- Teaching students computing science and software development concepts
- Helping students to break down hard problems into understandable pieces

Electrical & Instrumentation Technician Trainee Aug 2015 – Jan 2016
DNO, Duhok, Iraq
- Installed and maintained various electrical machinery and instrumentations
- Calibrated and repaired pneumatic and electronic Control / ESD systems
- Investigated and evaluated solutions to enhance operations and improve facilities
- Worked coherently with the maintenance team and coordinated with the other teams

Photographer / Communication for Development Facilitator Nov 2014 – Jul 2015
UNICEF, Duhok, Iraq

Volunteer Experience

Remote Web Developer Feb 2018 - Present
Meng NGO, Duhok, Iraq
- Building the organization's website using HUGO framework www.mengngo.org
- Developing and translating content to improve online presence

Residence Move-in Parking Greeter Aug 2017
Lister Center, Edmonton, AB, Canada
- Greeted and directed new students in the residence parking lot

Event Organizer in the Spring of Hope Event Mar 2014
Iraqi Alumni Network, Akre, Iraq
- Planned and administered the event
- Worked with the team to raise funds

Social media consultant Jul 2013
Virginia Center for Latin American Art, Richmond, VA, United States
- Worked, as a part of a team, with a non-profit organization called VACLAA to improve their social media presence by redesigning their WordPress profile and producing better content for posting on their Facebook, Twitter, and Tumblr profiles