Karim Chehab

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Nationality: Canadian

EDUCATION

American University of Sharjah (AUS) — **Sharjah, United Arab Emirates**   Sept 2012 – Dec 2016
B.Sc. in **Computer Engineering** - **ABET** Accredited - CGPA: **3.32** / 4.00

EXPERIENCE

Financial Software Developer Intern at Upside Capital — **Dubai, UAE**   Jan 2017 – Present
- Implementing business requirements into web solutions, mobile web apps, tools, API's and web services
- Enhancing existing web solutions, web apps and tools to ensure scalability across business

Intern at PinPay — **Beirut, Lebanon**   June 2015 – Aug 2015
- Interfaced **Arduino** with **NFC**, **RFID**, **Bluetooth** and integrated hardware with **C** and **C#**

IT Trainee at Batelco — **Manama, Bahrain**   Jan 2015 – Feb 2015
- Discovered software development life cycle, server infrastructure, IT department structure, IT security, cross/inter-departmental communication and business requirement standards

PROJECTS

ParkNosis – Parkinson's Disease Symptoms Detection Mobile App   Nov 2015 – May 2016
- Designed and developed an **Android Mobile App (Java)** for the early detection of Parkinson's Disease symptoms
- Used **Android sensors** and **Samsung S2 Gear Smartwatch** to collect and analyze data of physical symptoms
- Utilized **Parse API** (online database) for the storage and retrieval of patient data
- Placed **2**nd in the *11*th *IEEE UAE Student Day 2016* at Al-Ain University of Science and Technology; Al-Ain, UAE
- Participated in *Mobile Application Competition (MAC) 2016* at Khalifa University; Abu Dhabi, UAE

IIFYM Tracker – Fitness Mobile App   July 2016 - Present
- Led a team of three in developing an **Android Mobile App (Java)** inspired by personal interest in fitness
- Designed a solution to the lack of features, convenience and friendliness in fitness **Android Apps** on Play Store
- Implemented the solution using **SQLite** database for meal creation and management and nutrition tracking

Sky Assistant - Flight Reservation Mobile App   Feb 2016 – May 2016
- Modeled and developed an **Android Mobile App (Java)** for booking and managing flight reservations
- Documented software life cycle and design specifications and used **GitHub** to coordinate VC among developers

Skip Count - Interactive Arduino Educational Game   Mar 2015 – May 2015
- Assembled an interactive, wearable **Arduino** educational game aimed to teach second grade children math
- Used **C** and **ZigBee** to integrate the wearable **Arduino** device with a **Java** app
- Developed a **GUI** that is fully controlled by the wearable **Arduino** using an accelerometer and pressure sensors
- Demonstration video: youtu.be/ii1j1SMgqqQ

PUBLICATION

Conference: 2016 IEEE 18th International Conference on e-Health Networking, Applications, and Services (Healthcom)
Article Title: ParkNosis: Diagnosing Parkinson's Disease Using Mobile Phones
Authors: Abdulwahab Sahyoun, Karim Chehab, Osama Al-Madani, Prof. Fadi Aloul and Prof. Assim Sagahyroon
Publication Date: September 17, 2016
Link: http://www.aloul.net/Papers/faloul_park_healthcom16.pdf

SOFTWARE SKILLS   LANGUAGES

Java	C/C++	SQL/SQLite	Android Mobile Development	Arabic - Native
GitHub	C#	XML	Arduino Interfacing	English - Professionally Fluent