Mohamad Hammoud
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✉ Beirut, Lebanon

☎ +961 71 463 914

SUMMARY

A hardworking, passionate, hands-on professional, 10 years' experience in Software development covering multiple technologies. I can adapt quickly to new coding conventions. I am happy working independently or in a close team environment, and apply a positive attitude to every task I undertake.

TECHNICAL SKILLS

Languages: Objective-C (6); Swift (1); Java (2); C++ (1); C# (1); SQL (3); Python (1); Bash (1); VHDL (2)

Databases: MySQL (1); Oracle (1); phpMyAdmin (1); JSON (5); REST (5); XML (1)

Development Software: Xcode (6); NetBeans (1); Eclipse (1); Visual Studio (1); Git (2); SVN (2); Matlab (2)

EXPERIENCES

Senior iOS developer

Bloomay   Jul 2019 to Present
- **Hardees** Developed and published on the App Store.
- **Pizza Hut** Fixed bugs as documented by QA team, and implementing new features.

iOS developer and publisher   Sep 2013 to Present
- **Laymoon**
- **Football Lebanon**
- **Assajda**
- **FootTime**
- **All Weather**

Senior iOS developer

Falame   Mar 2017 to Apr 2019
- **Falame** Developed and published on the App Store.
- **HAILO** Developed and published on the App Store.

iOS developer

ITXI   Jul 2015 to Aug 2016
- **MIA** Fixed bugs as documented by QA team, and implementing new features.

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System and Digital Design Engineer
Veloxent   Nov 2011 to Sep 2013
Designed and Implemented several subsystems of 802.11b System on a chip. In particular, backend processing blocks for the modem (including scrambler, SFD, CRC, and Barker side lobe suppression) in C++, Matlab, and VHDL.
Designed and implemented all digital signal processing blocks for I2S interface (including wishbone and APB interfaces, registers, memory and coder) in Matlab and VHDL.
Designed and implemented the MAC-PHY Interface (MPI) for ECMA-368 in Matlab and VHDL.

Software Engineer
CME Offshore   Apr 2010 to Nov 2011
• **ProLaw** (application in C#) Implemented design specification, developed test cases, executed full and regression tests, run functional and non-functional tests. Tracked, reported and closed bugs, and implemented new feature for a Thomson Elite product designed to automate the practice and manage the business of law.
• **BillingIT** Developed and run scripts in Python and Bash, created unit test cases, resolved tickets opened by clients, and implemented solutions with team for a Tangoe product to help companies better manages their telecom costs, as well as security and related issues.

Developer
Netways   Dec 2009 to Mar 2010
Created new database (T-SQL) and ASP.NET web application 2.0 with C#

EDUCATION

Bachelor of Science in Communication Systems
Ecole Polytechnic Federal de Lausanne (EPFL), Switzerland   2009

Special Mathematic Course
EPFL (Switzerland)   2004

Scientific baccalaureate
Lebanon   2003

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BACHELOR'S PROJECTS

- Ensemble tracking (application in C++)

  To understand a moving scene with a fixed camera; objects of interest should be first detected and tracked over time.

  A detection method is sufficient for static objects while a "tracking" module is necessary for moving objects.

  We consider tracking as a binary classification problem, where an ensemble of weak classifiers is trained on-line to distinguish between the object and the background. The ensemble of weak classifiers is combined into a strong classifier using AdaBoost. The strong classifier is then used to label pixels in the next frame as either belonging to the object or the background, giving a confidence map. The peak of the map, and hence the new position of the object, is found using mean shift. Temporal coherence is maintained by updating the ensemble with new weak classifiers that are trained on-line during tracking. We show a realization of this method and demonstrate it on several video sequences.

REFERENCES Are Available On Request