Umar Qattan

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SKILLS AND TOOLS

Swift (iOS), C, C++, Xcode, UNIX, MATLAB, Python, Ruby on Rails, Github, Emacs, and AWS

PROJECTS

PITCHPERFECT IOS APPLICATION (UIKIT, AVAUDIOPLAYER)

Created a single-view iPhone application that transforms a user's voice.

MEMEME IOS APPLICATION (STORYBOARDING, UIKIT, UIRESPONDER)

Created an iPhone application that allows a user to make a meme out of pictures from the camera roll.

QUADCOPTER CONTROLLER (NODE.JS AND AR QUADCOPTER)

Implemented an interface that allows the user to control a quadcopter from the terminal.

EDUCATION

UNIVERSITY OF CALIFORNIA, SANTA BARBARA — TRANSFER

JUNE 2012- JUNE 2014

Structure of Programming | Data Structures and Algorithms | Microelectronic Circuits | Materials Science and Engineering | Calculus Series | Linear Algebra and Differential Equations | Physics Series for Scientists and Engineers

UDACITY - IOS DEVELOPER NANODEGREE

JUNE 2015 - AUGUST 2015

Storyboarding | UIKit | AVAudioPlayer | UIMapKit | Networking | iOS Persistence | iOS Core Data

UNIVERSITY OF CALIFORNIA, LOS ANGELES — B.S. COMPUTER SCIENCE

SEPTEMBER 2014- JUNE 2016

Algorithm Analysis | Computer Organization | Circuit Theory | Systems and Signals | Software Construction | Digital System Design

EXPERIENCE

UNDERGRADUATE RESEARCHER — UCSB DEPARTMENT OF COMPUTER SCIENCE

JUNE 2012-DECEMBER 2012

Mentored by a PhD in Computer Science and Engineering to study embedded systems.

SOFTWARE ENGINEER INTERN — PENANGO, INC., LOS ANGELES, CA

JUNE 2014-OCTOBER 2014

Developed Crypto algorithms for a web email client called Penango that secures emails sent and received by recipients with similar web certificates.

UNDERGRADUATE RESEARCHER — UCLA DEPT. OF BIOENGINEERING

DECEMBER 2014 - APRIL 2014

Worked with Dr. Tom Zangle on removing visual artifacts from cell images. Used MATLAB's Image Processing Toolbox to deconvolve the cell images.