

# Kartikay Dani

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## EDUCATION

### MCMASTER UNIVERSITY

#### BACHELORS IN COMPUTER SCIENCE

Sep 2012 - April 2015 | Hamilton, ON

Cum. GPA: 3.34/4

### ANSAL UNIVERSITY

#### COLLEGE DIPLOMA, COMPUTER SCIENCE

May 2010 - 2012 | Gurgaon, India

Major GPA: 3.21 / 4.0

## LINKS

LinkedIn:// [kdani](#)

## COURSEWORK

### UNDERGRADUATE

Android Programming

Web Systems and Computing

Databases

Data Structure and Algorithms

Distributive Systems

Compilers

Human Computer Interaction

Operating Systems

Computer Network and Security

Software Specification and Correctness

Functional Programming

Computer Graphics

Unix Tools and Scripting

## SKILLS

### PROGRAMMING

- Java • C/C++ • C#.net • JavaScript
- JQuery • Matlab • OCaml •  $\text{\LaTeX}$
- CSS • PHP • HTML/HTML5 • OpenCL
- OpenGL • WxWidgets • Asp.Net
- Assembly

### SCRIPTING

- Python • Perl • VBScript • Shell

### DATABASE

- MS Access • Parse • DB2 • MySQL

### IDE

- Visual Studio • Eclipse • Android Studio
- QT

### MULTIMEDIA TOOLS

- Adobe Photoshop • Adobe Illustrator
- Processing • ImageMagic • SwishMax

### OS

- Windows • MacOS • Unix • Android

## RELATED EXPERIENCE

### MOMENTS ANDROID DEVELOPER

February 2015 – Present | Hamilton, ON

- App creates time-line of all your special moments.
- A time-line view of your upcoming moments and anniversaries.
- Moment specific notifications, to remember the big ones.
- Monthly or yearly notifications for your important moments.

### MACGO | ANDROID APP DEVELOPER & TEAM LEAD

September 2014 – April 2015 | Hamilton, ON

- **Mobile Wallet Payment System**(using native android) for McMaster students.
- Generates a random 2 minute token(QR Code) to make payments.
- Secured with inbuilt special **passcode protected** system.
- Allows students to view their **recent transactions** along with items specific to it.

### ADVANCED MICRO DEVICES (AMD) SOFTWARE DEVELOPER INTERN

May 2013 – August 2014 | Markham, ON

- Developed multimedia tools in **C, C++** using power of AMD's GPU.
- Created Code Maintenance Tool for detecting **Memory Leaks** in **Perl**.
- Real-time test automation reports built using **HTML5 & JQuery**.
- Designed and implemented **GUI** in **WxWidgets, Qt** to control video quality features of AMD's **GPU**.
- Developed test scripts in **Perl, Python, VbScript**.
- Experienced in writing technical developer user documentation.
- Performed Regression and Functional/Non-functional testing.

## PROJECTS

### MACSHOP | WEB DEVELOPER

January 2015 – April 2015 | Hamilton, ON

E commerce web application to buy clothes. Built using **PHP, AJAX, CSS, JavaScript, JQuery, MySQL, HTML5, Bootstrap**.

### SCHEDULING SYSTEM | WEB DEVELOPER & UI DESIGNER

March 2014 – April 2014 | Toronto, ON

Web based application to maintain and manage schedules of an individual on a calendar. **JavaScript, JQuery, HTML5, Bootstrap, Photoshop**.

### INTERACTIVE PROCESSING SKETCH | SKETCH DEVELOPER

December 2014 | Hamilton, ON

Sketch created using **Java, Processing** that converts image pixels into particles.

Special effects of tinting image on the fly, pause the rendering and controlling image particles using mouse gestures.

### ON CAMPUS MANAGEMENT SYSTEM | SOFTWARE DEVELOPER

March 2012 | Delhi, India

Windows Desktop Application in **C#.net** with database in **MS Access** to provide quick access of student details to on-campus authorities.

## CERTIFICATIONS

2012 Industrial Training In ASP.NET From HCL, India

2011 Certified Cyber Security Expert Version 2.0(CCSE), India