

# Amr Mohamed Kabardy

## Home Address

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## Work Address

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## Education:

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**Fall 2008 – Present**      **M.Sc. Computer Science, Alexandria University, Egypt**  
Coursework (completed) GPA: 4.0 / 4.0

**Sep 2003 – Jul 2008**      **B.Sc. Computer and Systems Engineering, Alexandria University, Egypt**  
Grade: Distinction with Degree of Honor, GPA: 3.79 / 4.0 – Graduation project: “Web-based Interactive Classroom”.

## Work Experience:

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**Feb 2012 – Present**      **Software Development Engineer**      **Microsoft Corporation / Bellevue, WA**  
Joined Bing Indexing & Knowledge team, working on maintaining and improving Bing Crawlers to enable the Bing Index to serve high quality results to user queries.  
Tools & Skills: C++, C#, Distributed Systems and internal Microsoft tools and technologies.

**Jun – Sep 2011**      **Software Engineer Intern**      **Google Inc, / Mountain View, Ca**  
Worked with Google’s i18n team to build libraries that facilitate the integration of i18n techniques with other Google projects, while providing better performance. Some of the work of Google’s i18n team includes contributions to the ICU library.  
Tools & Skills: Implementation is in C++ and using some internal Google technologies like MapReduce.

**Jul 2010 – May 2011**      **Research Assistant Intern**      **Microsoft Innovation Lab in Cairo / Cairo, Egypt**  
- **[Sep 2010 – May 2011]** Worked on a cloud storage problem, aiming at exposing cloud storage to connected devices natively with optimized performance around constraints like cost, availability and reliability.  
Tools & Skills: Windows Driver Development in C/C++, Kernel Socket Programming, Azure Storage REST APIs, Kernel Debugging using WinDbg.  
- **[Jul 2010 – Sep 2010]** Worked on a traffic mining problem to predict traffic status based on historical data.  
Tools & Skills: C# and MS SQL Server 2008, handling a huge amount of data (Several GBs).

**Feb 2009 – May 2010**      **Software Engineer**      **BadrIT / Alexandria, Egypt**  
Developing web applications using: Flex 3.0, ActionScript 3.0, HTML, Javascript, Ruby on Rails, MySQL and adopting an Agile software process during the development cycle. Following are selected projects:  
- **FasTake:** Surveys design tool with multiple templates, question types and dependencies, built for FasTake.com  
- **OnlineTakeOff:** A tool for making architectural plans and extracting useful info for estimations built for Tech Unlimited Co.  
- **Infectious:** Interactive tool built for Infectious.com to let users design custom skins for variety of products, through simple steps.

**Dec 2008 – Nov 2009**      **Oracle Developer**      **Egyptian Naval Forces / Alexandria, Egypt**  
Studying users’ requirements, Developing corresponding Oracle Forms and Reports, and maintaining the Oracle Database.

**Jun – Sep 2007**      **Software Developer Intern**      **Easy Dialog Ltd / Alexandria, Egypt**  
Worked on multiple projects using: J2EE, Enhydra framework, DODS, ANT, HTML, Javascript, JST, CSS, AJAX.

## Technical Skills:

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- Excellent coding with different programming languages: C, C++, Java, C# .NET
- Developing Flash apps: Flex Framework, Actionscript 3.0, Flash CS3, Flash Media Server 3.
- Markup and Client-side scripting: HTML, XHTML, XML, CSS, Javascript, JST, AJAX.
- DBMS: Oracle Database, Oracle Forms and Reports, MySQL, SqlLight, MS SQL Server.
- Applying Design Patterns, OOD and using UML diagrams during software design.
- Familiar with Win32 APIs, MFC applications and Linux OS.

### **Activities and Awards:**

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- External Reviewer for “Distributed and Parallel Databases, an International Journal”.
- Ranked 5<sup>th</sup> at IEEE ICDM 2010 Challenge, GPS task (<http://tunedit.org/challenge/IEEE-ICDM-2010/gps>).
- Silver Medal at 3<sup>rd</sup> EOI “Egyptian Olympiad of Informatics” 2005, programming contest.
- My team ranked in the top 15 teams at Egypt 5<sup>th</sup> ACM National Contest 2006.
- Aug to Sep 2006, participated in training my department students for the EOI programming contest. My role was to prepare problem sets for training sessions. They were 17 students and achieved 11 medals between Silver and Bronze.
- Jun 2006 to Apr 2007, I was the leader of the Membership Committee of Alexandria University ACM Student Chapter.
- Dec 2007, created a simple Javascript GPA calculator to help colleagues compute their equivalent GPA for our non-credit hours system: <http://sites.google.com/site/amrkabardy/gpacalc.html>

### **Publications:**

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- Amr Kabardy, et al. “Cloud Storage Service Composition using Multi-Objective Optimization”. Submitted to 18<sup>th</sup> HiPC 2011.
- Hazem El-Alfy, Amr Kabardy. “A New Approach for the Two-Player Pursuit-Evasion Game”. Submitted to URAI 2011.
- Amr Kabardy, et al. “High Performance Electronic Lecture Service via WWW: Providing facilities for online interactive classroom using Flash”. Lambert Academic Publishing, ISBN: 978-3843372145, \*This is my B.Sc. graduation project thesis