

# Ahmed Abdelmeged

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## Objective

An internship where my education, experience and problem solving abilities are critical to provide creative solutions to real world problems.

## Qualification Highlights

- 6 years of Java programming experience.
- Experience in writing multi-threaded Java applications.
- Experience with SWING-based Java GUI.
- Good command of design patterns.
- Oct 2006: Devised a number of highly efficient procedures for manipulating packed truth tables. These procedures use only bitwise operations and treat the whole truth table as a single entity<sup>1</sup>.
- Jul 2003: Passed a 9 hours exam at IBM TDC, Cairo. Qualified to work as a software engineer.
- Undertook few outsourcing software projects in automation -- programs operating other programs. Ranked as superb on [www.RentACoder.com](http://www.RentACoder.com)

## Skills

### Programming Languages

Java, C++, Microsoft Visual Basic, C#, Prolog, Scheme.

### Web/Enterprise development technologies

HTML, Javascript, JSP/Servlets.

### Database Management Systems

SQLServer2000, ORACLE PL/SQL, ORACLE developer, Microsoft Access.

### Other Technologies

AspectJ, XML, AGG (Algebraic Graph Grammars), SVN, CI.

## Experience

### Software Development intern, Java, June 2007 – August-2007

GMO<sup>2</sup>, Boston, MA

Worked on a multi-threaded application and a GUI framework.

### Teaching/Research Assistant, September 2006 - Present

Northeastern University, Boston, MA

### Teaching Assistant, Oct. 2003 - Aug. 2006

Arab Academy for Science and Technology and Maritime Transport, Alexandria, Egypt

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1 <http://www.ccs.neu.edu/evergreen/software.html>

2 <http://www.gmo.com>

**Software Engineer, Java, Jul. 2003 - Sep. 2003**

Wide Horizons Company, Alexandria, Egypt

Member of a three-person team responsible for one of the company projects.

**Software Developer, VB, Jun. 2002 - Sep. 2002**

Info&Soft Software Company, Alexandria, Egypt

Responsible for developing a spatial query library based on Windows GDI. The position had a research flavor.

**Research Associate, June 2001 - August 2001**

Alexandria University, Alexandria, Egypt

Responsible for implementing an R\* search tree, a multi-dimensional indexing structure, as well as preparation of test data.

**Education****PhD, Computer Science, June 2011**

Northeastern University, Boston, MA

GPA: 3.83

Third year PhD student in the Programming Research Laboratory.

**M.SC, Computer Science, June 2008 (Grade requirements finished)**

Northeastern University, Boston, MA

GPA: 3.83

**M.SC, Computer Science (undefended)**

Arab Academy for Science and Technology and Maritime Transport, Alexandria, Egypt

GPA: 3.87

**B.Sc., Computer Science and Automatic Control, June 2003**

Alexandria University, Alexandria, Egypt

GPA: 3.81

**Honors**

- Jun 2003: Graduated with a distinction with honor grade and was ranked as 7th with puts me among the top 10% of my class.
- Mar 2001: Recommended by the Department to join the national finals qualifying to the IOI (International Olympiads for Informatics).