Ahmed Mounir Gad

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Objective

Looking for a Software Engineer position which will help me improve my technical skills and use my expertises to contribute to the bottom-line of my company.

Education

MSc., Computer Vision and Artificial Intelligence   Jul (2010)
Universitat Autonoma de Barcelona, Spain   Grade: Distinction
Thesis title: Object Localization enhancement by multiple segmentations fusion

BSc., Computer and Systems Engineering   Jul (2008)
University of Alexandria, Egypt   Grade: Very Good
Graduation project title: 3D Model reconstruction from an uncalibrated stereo pair of images

Experience

Software Engineer   **Google Inc.**   Apr (2012) - Present
                                    Mountain View, CA, USA

Joined the Geo team. Working in *Google Maps* on enhancing the 45 degrees images in the imagery pipeline team.
Technologies used: Python, C++, Java, and Internal Google technologies.

Software Development Engineer Microsoft corp.   Jan (2011) - Mar (2012)
                                    Bellevue, WA, USA

Joined the Online Services Division. Worked on Bing Mobile with the platforms team. My team was responsible for enlightening Bing experience on the Mobile phones making use of the mobile specific information like Location, Carrier, and Device type, etc.
Technologies used: C#, Javascript, Web debugging tools, Web services, and Internal Microsoft technologies.

Software Engineer - Intern   **Google Inc.**   Jul (2010) - Oct (2010)
                                    Mountain View, CA, USA

Joined the Geo team. Worked on *Google Earth* with the 3D reconstruction team. Mainly provided tools and solutions that help in getting enhanced terrain data from stereo images.
Technologies used: Java, C++, and Internal Google technologies.

Software Engineer - Intern   **Google Inc.**   Apr (2009) - Jul (2009)
                                    Mountain View, CA, USA

Joined the MENA team. The team is working on projects for (Middle East and North Africa). Examples of the MENA team's applications are Google *Ta3reeb* and Google *Ejabat*. Worked in a yet unreleased Google project for 80% of the time. Built the whole infrastructure of that project. Also worked in *Ta3reeb* and the Arabic version of *news* for 20% of the time.
Technologies used: C++, Java, Python, and Internal Google technologies.

Software Engineer   **Bibliotheca Alexandrina**   Jul (2008) - Mar (2009)
                                    Alexandria, Egypt

Joined the DAR (Digital Assets Repository) team. Our team Built the NEMO Project. NEMO is the infrastructure of the whole library managing the library's users PCs (Desktop Interface) and the librarians PCs (Web Interface) as well as the Multimedia library tools. I was responsible for building the client's interface providing functionalities like web browsing, rich text editing, sending emails with attachments, playing media, and managing a secure folder for each user to the library. These functionalities were provided in a secure *Kiosk* interface that prevents the user from messing with the existing resources of the library.
Technologies used: C#, Java, HTML, and Javascript.

Software Engineer - Intern   **ITWORX**   Jun (2007) - Aug (2007)
                                     Alexandria, Egypt

Worked in a DB migration tool to migrate data from an Oracle to a MySQL DB. Switched to work in the DU account `http://selfcare.du.ae/`. Worked on activating the services on the Blackberry using the DU infrastructure.
Technologies used: Java, J2EE, and Javascript

Software Engineer - Intern   **GPSExperts**   Aug (2007) - Sep (2007)
                                     Alexandria, Egypt

Worked on a tool for image processing functionalities. The tool was capable of doing some basic image processing tasks like zooming, smoothing, and edge detection.
Technologies used: C++ MFC.

Skills

Software Design
Very good knowledge about UML diagrams and design patterns.

Desktop Development
Excellent in programming using C, C++, Java, Python and C#
Good knowledge of prototyping using Matlab.

Web Development
Good knowledge of HTML, CSS, Javascript, jQuery, Django and Java EE.

Database Development
Knowledge of DBMSs like MySQL, Oracle and Microsoft SQL Server.

Grants and Scholarships

Awarded the PIFF grant offered by the Spanish Ministry of Education and Science and the Catalan Government for the purpose of continuing a MSc. and PhD program, July 2009.

Honors and Awards

- Egyptian Mathematical Olympiad (EMO) 2003, Gold Medal.
- Egyptian Olympiad of Informatics (EOI) 2006, Silver Medal.
- Egyptian National ICPC 2006, 10th place.
- Arab and North-Africa regional ICPC 2006, 4th place First participation for Alex. University.
- Al-Akhawain University in Ifrane (AUI) TopCoder contest, WINNER.
- GUC National Warm-up contest for the ICPC 2007, 4th place.
- Arab and North Africa regional ICPC 2008 7th place.

Activities

- Participate regularly in online programming competitions on USACO, COCI, SPOJ, ACM UVA, ACM PKU, ACM TJU and almost weekly SRMs on TopCoder.com.
- Organized a local ACM-like contest in Alexandria University, problem setter and the judge.
- Ex-Member of the Interact club Pharos "Rotary".
- Ex-Member in the Egyptian Parachuting team "4th place in 2003".

References

Available upon request.