

Ahmed Elkady

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2B Computer Engineering

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SUMMARY OF QUALIFICATIONS

- Knowledge of C#, C++ and Java programming languages, as well as VHDL and Android programming (through Eclipse and SVN), all through university courses
- Knowledge of the fundamental principles of web development, including HTML, Javascript, and CSS, all through co-op work terms
- Understanding of computer organization principles, including CPU, memory, storage, and ALU, as well as knowledge of ARM assembly, all through university courses
- Leadership skills developed through working with the Engineering Society at the University of Waterloo as a semi-formal director and class representative
- Strong teamwork skills developed through participating in multiple volunteer projects throughout high school, including a two-week long Habitat for Humanity trip to Nepal
- Excellent communication/presentation skills through several Model United Nations conferences and medals in other public speaking competitions

WORK EXPERIENCE

IT Intern, CGG, Singapore, Jan. 2014 – April 2014

- Worked on investigating the uses of tapes in the seismic industry
- Installed, programmed and ran tests on the Intel Xeon Phi Co-processor
- Developed and programmed hybrid mobile applications using Phonegap and Cordova tools

Electrical Engineering Intern, Promarman Oils and Fats, Kuala Lumpur, Malaysia May 2013 – Aug. 2013

- Worked on maintaining and establishing the email servers for the company
- Designed and developed the company website, learning HTML, Javascript, and CSS in the process
- Worked on establishing the VPN network for the company, familiarizing myself with scripting

LEADERSHIP EXPERIENCE

Semi-Formal Director, Engineering Society, University of Waterloo, Waterloo, ON, Jan. 2013 – April 2013

- Directed semi-formal through selling tickets and advertising the event
- Collaborated with a small team of directors to book the venue and prepare the budget

Class Representative, Engineering Society, University of Waterloo, Waterloo, ON, Sept. 2012 – Aug. 2013

- Elected by the class to advertise events through a Facebook group and class announcements
- Attended Engineering Society meetings and discuss issues related to engineering students

Academic Representative, University of Waterloo, Waterloo, ON, Sept. 2012 – Aug. 2013

- Elected by the class to meet with professors and the First Year Engineering Office and give feedback about classes
- Communicated with classmates to deliver their concerns and issues to the professors.

Senior Class Officer, Student Council, ISKL, Kuala Lumpur, Malaysia, Sept. 2011 – Sept. 2012

- Organized several aspects of high school senior year, including graduation
- Acted as a liaison between the students and school administration while working with four others

Deputy Secretary General, Model United Nations, ISKL, Kuala Lumpur, Malaysia, Sept. 2011 – Sept. 2012

- Managed the Model United Nations program at high school, along with organizing the school's annual MiniMUN conference of over 80 participants from all over Malaysia
- Participated in ten conferences, including one university level conference

Vice President, Key Club, ISKL, Kuala Lumpur, Malaysia, Sept. 2010 – June 2011

- Raised CAD\$1000 for the National Cancer Society of Malaysia
- Organized and participated in various fundraisers, including an auction of donated items such as clothes and old phones.

VOLUNTEER EXPERIENCE

Nepal Build, Habitat for Humanity, Kathmandu, Nepal, Apr. 2011

- Spent two weeks moving mud, laying bricks as a part of a 6-member team to build a house
- Worked with team members, family, group leaders and other supervisors to accomplish this task

Volunteer, Wawasan Orphanage, Kuala Lumpur, Malaysia, Nov. – Dec. 2010

- Worked with 20-30 orphans at a home in Kuala Lumpur
- Participated in various games with them
- Taught them basic English (reading and writing) through not only organizing lesson plans to teach them the language but also through worksheets and conversations, improving their literacy

EDUCATION

Candidate for Bachelor of Applied Science, Electrical Engineering, University of Waterloo, ON, Sept. 2012 – present

Relevant Assignments:

Technical Report, Electrical and Computer Engineering Practice, Sept. – Nov. 2012

- Researched photovoltaic cells and battery banks to determine the size of a battery bank required to power a cottage using a photovoltaic power system

International Baccalaureate Diploma Recipient, International School of Kuala Lumpur (ISKL), Kuala Lumpur, Malaysia, June 2012

HONORS AND AWARDS

Engineering International Student Scholarship/Grant, University of Waterloo, Waterloo, ON, Aug. 2012 (for strong academic record)

President's Scholarship, University of Waterloo, Waterloo, ON, Aug. 2012 (for excellent academic achievement)

Silver medalist in Extemporaneous Speaking, South-East Asian Forensics Tournament, ISKL, Malaysia, Feb. 2012

Bronze medalist in Debate, South-East Asian Forensics Tournament, ISKL, Malaysia, Feb. 2011

ACTIVITIES

Participant, Midnight Sun Solar Car "Rayce" Team, University of Waterloo, Waterloo, ON, Aug. 2013 – present

- Worked on debugging the Chaos board through LEDs
- Learnt how to use Altium and understood the fundamentals of PCB circuit design