Ali Esmaeili

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PROFESSIONAL PROFILE

- **Strong computer programming and website design skills such as C++, Java, C# , HTML, Javascript and PHP**
- **Self motivated, enthusiastic learner and able to work as part of a team**
- **Developed great communication skills through public speaking, seminars, lab reports and assignments**

EDUCATION

- **Master of Applied Sciences in Computer Engineering (GPA: 7.67 out of 9)   (Jan. 2014 – May 2016)**
  - **University of Victoria, British Columbia, Canada;**
- **Bachelors of Science in Computer Engineering (GPA: 16.73 out of 20)   (Sep. 2008 – Feb. 2013)**
  - **Isfahan University of Technology, Isfahan, Iran;**

PROFESSIONAL SKILLS

- **C and C++**
  - **Deployed a fun game for two players with many levels where certain targets had to be shot by using a canon with the Qt library**
  - **Implemented a game very close to hunt the wumpus using polymorphism in command prompt mode**
  - **Simulated an operating system by using processes, threads, semaphores and message passing**
  - **Created a Persian mini-library program in command prompt mode with multi-threading, tones and display messages**
- **C#**
  - **Developed a program to compute the ΔG and ΔH of different 3 dimensional DNA and RNA structures**
  - **Implemented a bilingual (English/Persian) library program by using a SQL database and simple forms**
  - **Used an existing library file to calculate the psychrometrics in a cooling tower**
- **Java, Visual Basic**
  - **Written equivalent code for old command prompt software and added forms and menus to make the software more user friendly**
  - **Implemented a small chat interface between two computers in command prompt mode using Java**
- **HTML, CSS, Javascript and PHP**
  - **Created two websites for the faculty of Isfahan University of Technology using HTML, CSS, Javascript and third party databases**

COMMUNICATIONS SKILLS

- **Performed a storyweave at the International Student Welcome for over 1100 students   (Sep. 2015 & Sep. 2014)**
- **Helped over 70 students with choosing their program before entering university   (Aug. 2013 & Aug. 2012)**
- **Delivered a presentation to over 250 students before entering university   (June 2013)**

WORK EXPERIENCE

- **Brand Ambassador** (Sep. 2016 –)
    - **Mosaic, Victoria, BC**
        * Represented different companies and their products and services to customers and potential customers in a positive manner
        * Relayed customers feedback to the company in anticipation of improving products and services
        * Developed and maintained strong relationships with potential customers
        * Attended product training
        * Created brand awareness, attention and sales leads
- **Software Developer (Contract work)** (July 2016 – Aug. 2016)
    - **3xLogic Inc., Victoria, BC**
        * Read manuals and documentation for each application
        * Detected and debugged bugs in the previous releases
        * Used TortoiseSVN to manage different versions of the source code
        * Attended a daily scrum meeting with members of the groups
        * Used Targetprocess to track sprint and bug progress
- **Freelance Translator English/Persian** (June 2010 – Feb. 2013)
    - **Translated English documents to Persian**
    - **Translated Persian documents to English**

VOLUNTEERING EXPERIENCE

- **Global Community Student Advisory Council Member** (Feb. 2014-)
    - **University of Victoria**
        * Created over 700 welcome packages for new students coming to University of Victoria
        * Performed a storyweave at the International Student Welcome for over 1100 students
        * Performed a storyweave at the Learning and Teaching Center Conference for faculty members of University of Victoria
        * Engaged with over 10 students and gave them a tour of Victoria
        * Performed a storyweave for over 200 third year students in the nursing program
        * Created signs for the International Student Welcome at UVic
        * Participated at the working group on sexualized violence programs and policy development
- **Global Community Mentor** (Oct. 2014 – Dec. 2014)
    - **University of Victoria**
        * Contributed to UVic's strategic objectives to foster an integrated and globally mindful campus
        * Offered friendship, guidance, and support for international students as they navigate their social and academic life at UVic
        * Assisted international students with their transition to UVic, Victoria and Canada
        * Invited international students to participate in social, cultural and academic engagements
        * Referred international, domestic and indigenous students to UVic support services, resources, information, and opportunities
        * Built connections between international, indigenous and domestic students at UVic
- **Vikes Nation Ambassador** (Feb. 2014 – Dec. 2014)
    - **University of Victoria**
        * Promoted Vikes Nation events
        * Sold tickets for the Vikes games
        * Helped out with the setup at the event
        * Accepted Vikes Nation Ambassador cards
        * Cold called to individuals on social media such as Facebook

- **Lab Instructor of Digital Circuits Lab for e-learning students** (June 2011)
  - **Isfahan University of Technology**
- **C++ Programming Teaching Assistant** (Sep. 2009 – April 2010)
  - **Isfahan University of Technology**
- **Computer Help Desk Analyst** (Sep. 2009 – Dec. 2009)
  - **Isfahan University of Technology**
    - * **Responded to queries either in person or over the phone**
    - * **Replied to email messages for customers seeking help**
    - * **Asked questions to determine nature of problem**
    - * **Walked customer through problem-solving process**
    - * **Installed, modified, and repaired computer hardware and software**
    - * **Followed up with customers to ensure issue has been resolved**

PROJECTS

- **Linear Network Codes on Cyclic and Acyclic Networks** (Jan. 2015 – April 2016)
  Masters thesis at University of Victoria; Victoria, Canada.
- **E-cash systems and a comparison on them,** (June 2011 – June 2012)
  bachelors project at Isfahan University of Technology; Isfahan, Iran.
- **Intel Ivy Bridge CPU** (May 2012)
  Seminar of interface circuit design,
  Isfahan University of Technology; Isfahan, Iran.
- **Security of databases** (June 2011 – Sep. 2011)
  Internship at Iran Telecom Research Center; Tehran, Iran.
  - **Found vulnerabilities in database designs**
  - **Exploited vulnerabilities to escalate privilege**
  - **Detected malicious activities to access the database**
  - **Updated the database security and prevented attacks using simple techniques**
- **Unfolding DNA and RNA sequences** (June 2010 – Sep. 2010)
  Isfahan University of Technology; Isfahan, Iran.

INTERESTS AND ACTIVITIES

- **Comedy, Basketball, Football, Baseball, Music, Sustainability and Renewable Energy**

REFERENCES

- **T. Aaron Gulliver**
  Professor and Canada Research Chair in Advanced Wireless Communications
  University of Victoria
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- **Anne Cirillo**
  International Student Programs Coordinator
  University of Victoria
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- **Zac Andrus**
  Athletics Marketing and Campus Engagement Coordinator
  University of Victoria
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