Michaela Farova

2A Computer Engineering

http://inlimite.com
http://farova.github.com

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Skills

- Programming language experience in *C#* and *Java* professionally and from school courses
- Self taught knowledge of web-based languages - *PHP*, *HTML*, *CSS*, *Javascript*/*JQuery*
- Experience with managing and developing with databases - *MySQL*, *SQLite*
- Experience with version control software - *Git*, *SVN*
- Ability to creatively design and solve complex problems, developed professionally and competitively
- Proficient in writing technical reports and documenting software development process

Work Experience

Software Development Co-op, Tangam Gaming, Sep-Dec 2012

- Developed various new features for an analysis software used by casinos worldwide
- Optimized and coded back-end functionalities of the product using the Asp.NET framework
- Designed the front-end portion of the product using HTML, CSS and Javascript/JQuery.
- Worked with Microsoft based technologies including Microsoft SQL Server and Visual Studio
- Used SVN version control software during development

Technical Support Technician, DC Library, University of Waterloo, Jan-Apr 2012

- Developed code bundles for Symfony, a MVC structured PHP framework
- Twig and YAML were also used during development
- Used version control software (Git) during bundle development
- Trained staff in the usage of the Symfony framework
- Documented the creation process and instructions on working with various components in a 40 page documentation
- Provided technical support for university students and staff

Education

- *Candidate for Bachelor of Engineering*, Co-operative Computer Engineering Program
  Sep 2011 – present, expecting to graduate in 2016
   University of Waterloo, Waterloo, ON
- *Ontario Secondary School Diploma*, Sir John A. Macdonald Secondary School
  Waterloo, ON, June 2011

Other Relevant Projects

Personal Website, Feb 2005 - present
- Independently designed, coded and continuously maintain a personal website (http://inlimite.com)
- Developed custom MVC structured framework to further my understanding of backend development
- Used various languages within the project: PHP, HTML, CSS and Javascript/JQuery, all of which were self taught
- Structured and managed data using a MySQL database

LoL Companion App for Android and Playbook, Mar 2012
- Developed an app with partner that provides users with information about a large online video game ("League of Legends Companion App" or "LoL Companion App")
- Programmed in Java and XML to be compatible for both Playbook and Android devices
- Structured data into a SQLite database within the application
- Versioning control software (Git) was used during the development of the application (refer to personal Github page)

Firefighter Robot, High School Computer Engineering Class, Feb – Jun 2011
- Designed and created firefighting robot and circuit boards as a part of 2 person team
- Programmed searching pattern for robot using PIC Basic language
- Optimized searching algorithm for locating fire within a maze

Achievements, Awards and Scholarships
- *Dean's List* for top marks in 1B university term, 2012
- *RIM Scholarship* for excellence in technology and science classes, 2011
- University of Waterloo *President's Scholarship of Distinction* for top high school marks, 2011
- *1st Place in 2011 Regional Skills Canada* Architectural Design Competition
- *5th Place in 2011 Provincial Skills Canada* Architectural Design Competition

Activities and Interests
- *App Development Club* 2012 - Started up an app development club with friends at the University of Waterloo to teach students how to develop their own applications.
- *Skills Canada Architectural Competition* 2011 - competed in the regional and provincial Skills Canada competition. Used AutoCAD to design floor, electrical and utilities plans for a house based on provincial regulations and contest specifications
- *Avro Arrow Race Car Club* 2011 - partook in design and building process of electric race car to be used in competitions, also modeled 3D renders of racecar in SolidEdge
- *Artists Anonymous* 2010-2011 - created various posters, props and other artistic creations for various organizations around the school
- *Hobbies* - rock climbing, web design, abstract and landscape oil painting, programming, reading science fiction novels, gaming
- 1st Dan Black Belt in Karate 2006-present