Alexander Safatli

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Experience

Watzan, LLC   Halifax, Canada

Software Developer   *June 2015 – Present*

One of a small number of developers that are constructing and managing an MVC architecture that uses social media information from hundreds of users to tailor content and search results. Software work is done using a mixture of Ruby on Rails, Coffeescript, and HTML. Major focus on the backend of the framework including definitions of DSLs and building of algorithms.

Dalhousie University   Halifax, Canada

Teaching Assistant   *2012 – 2015*

- Operating Systems – Winter 2015. Marked software assignments written in C.
- Principles of Programming Languages – Summer 2014. Marked Scheme and Prolog assignments.
- Concepts in Computing, Bioinformatics – various terms 2012-2014. Marked written and programming assignments covering a breadth of topics in computer science and bioinformatics.
- Comm. Skills: Oral/Written – various terms 2012-2013. Marked, help teach oral presentations and common business document writing.

Research Assistant & Software Developer, Blouin Lab   *2012 – 2014*

Took major part in writing Python libraries for geometric morphometric analysis of 2D and 3D biological structures, for molecular dynamics, for protein homology modelling, and for the parsing of essential file formats. These software libraries are used regularly by other graduate students in the laboratory for their projects.

Please refer to my Linkedin profile for further experience and any relevant recommendations.

Education

Dalhousie University   Halifax, Canada

Master of Computer Science   *2014 – 2015*

- Education in Adv. Data Structures, Algorithms, Heuristics, and Natural Language Processing.
- A full web application for visualization of large combinatorial space graphs was constructed.
- Published and maintain a Python software framework for combinatorial space analysis.

Supervised by Assoc. Prof. Christian Blouin.

Bachelor of Computer Science with Distinction • **GPA 3.8 (Major: 4.0)** • **Dean's List**   *2008 – 2013*

- Thorough breadth of computer science fundamentals without specialization.
- Completed individual and collaborative software projects in Java.

Awards. Undergraduate Student Research Award from NSERC for summer internships in 2009, 2012, and 2013.

Skills

Technical Knowledge

- Experience with technical writing and documentation, through teaching and as a researcher.
- Advanced experience with Python, Java, C, and Ruby.
- Elementary to intermediate knowledge with C++, C# (.NET framework), Go, Ruby, PHP, Objective-C, Perl, and Prolog.
- Knowledge of database technologies: MySQL, SQLite, NoSQL.
- Knowledge of web technologies: HTML+CSS, XML, REST, JSON, Ruby on Rails, JavaScript.

Natural Languages English *(mother tongue)* and French *(elementary proficiency)*.