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Alexander Safatli

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Employment

Software Developer **watzan, LLC** June 2015 — January 2015

- Designed and constructed full stack of application used by corporate clients and over 500 users.
- Implemented recommendation algorithm tailoring content to users' interests and application history.

Research Assistant **Dalhousie University** January 2012 — April 2015

- Implemented scripts to perform experiments and tests of biological system interactions.
- Maintained a three-dimensional structural alignment software used by other students.
- Wrote paper drafts documenting results of software on existing data.

Teaching Assistant **Dalhousie University** Fall 2012 — Summer 2015

- *Courses* — Concepts in Computing, Operating Systems, Principles of Programming Languages, Communication Skills: Oral/Written, and Bioinformatics.
- Instructed classes, marked essays and examinations, and reviewed programming assignments.

Education

Halifax, NS, Canada **Dalhousie University** Fall 2009 — Spring 2015

- Master of Computer Science, September 2015. Focus on combinatorics. GPA: 4.3
- Bachelor of Computer Science with Distinction, May 2014. In-Major GPA: 4.0
- *Graduate Coursework* — Algorithms, Data Structures, Natural Language Processing.
- *Undergraduate Coursework* — Operating Systems, Databases, Algorithms, Software Eng., Prog. Languages, Comp. Architecture, Cryptography, Linear Algebra, Calculus II, Physical Sciences.

Skills

Programming Languages

- *Experienced* — Python, C, Java, Ruby.
- *Familiar* — Go, C#, C++, Swift, Objective-C, Scala, Lua, Perl, Prolog, Haskell, Scheme, Matlab, R.

Tools, Frameworks, and Methodologies

- *Tools* — MySQL, NoSQL, Apache, LaTeX, Git, SVN
- *Frameworks* — Rails, JQuery
- *Methodologies* — Machine Learning (SVMs, Random Forests), Data Mining

Projects and Awards

- *Pylogeny* — Peer-reviewed and published Python framework for combinatorics in phylogeny.
- *Undergraduate Student Research Award* (NSERC) — summer research internships in 2009, 2012, 2013.