Jonathan Godbout
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Education:

M.S. Mathematics — GPA 3.93/4 May 2013
The University of Vermont, Burlington, VT
Thesis: *Combinatorial Properties of the Mirabolic RSK Algorithm*

B.S. Mathematics & Minor: Computer Science — GPA 3.50/4 May 2012
The University of Vermont, Burlington, VT
Thesis: *Maximal Crossing Numbers for Graphs Embedded on a Disc*

Skills:

- Programming Languages: C, C++, Common Lisp, C#, Java, SQL
- Programming Experience: Agile Programming, Concurrent Programming, Object Oriented Design, Quality Assurance, Rest Web Services
- Mathematics: Abstract Algebra, Analysis, Algorithm Design and Analysis, Combinatorics, Linear Algebra, Coding Theory, Graph Theory, Operator Algebras, Quantum Information Theory

Career History:

Software Engineer, Google November 2016 - Present
- Implement features requests and bug fixes based off of industry standards and customer requirements.

Junior Software Engineer, Amadeus Hospitality January 2016 - November 2016
- Create software based off of team groomed user stories.
- Create enterprise grade messaging infrastructure in a dual cloud-on premise environment designed to handle tens of thousands of calls per hour while being robust to external systems limitations.

Quality Assurance Engineer, Newmarket International October 2014 - December 2015
- Create test requirements from design specification of User Stories.
- Create automated scripts in C# to assure software meets specifications.

Data Analysis and Algorithm Optimization, Alletess Medical Laboratory 2014
- Understanding and explaining algorithms used for allergen testing.
- Developing techniques to improve tests.

Work Related Study:

- Concurrent Programming: Took a class and read through Concurrent Programming in Java.
- Logic in Computing: Took several classes on the underlying logic of computer science including type theory and temporal logic.

Projects:

- Blog: https://experimentalprogramming.wordpress.com
- GitHub: https://github.com/Slids
- Maintainer of Lisp-Koans and cl-protobufs
- Causal Query Processing, The University of Vermont Summer 2012
  - Help design a machine learning algorithm to predict patient's prognosis using a continuous data-stream.