

# Boris Garbuzov

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## HIGHLIGHTS OF QUALIFICATIONS

- Undergoing PhD program in statistics
- Programming and QA experience: Java, HTML, XML, JUnit, Ant, MS SQL Server, MySQL, git.
- Statistical and analytical technologies: S+, R, Stata, Excel, MatLab, Python, machine learning, Spark, Amazon Web Services. SAS base certified programmer, certificate serial number BP034977v9
- Member of Statistical Society of Canada in good standing, membership number 02976. Member of American Statistical Association in good standing, membership number 182220
- Versatile team player who is equally adept at leading large groups following directions.
- Organized multi-tasker with a proven track record of meeting strict deadlines

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## WORK EXPERIENCE

**Teaching Assistant** (part-time, while a PhD student) Sept 2014 - present  
*University of Toronto, Toronto, Ontario, Canada*

- Tutorials in math, statistics and machine learning courses using R, Python, MiniTab and MatLab

**Teaching Assistant**, (part-time, while an MS student) Sept 2013 Jun 2014  
*Western University, London, ON, Canada*

- Tutorials and labs in statistical and actuarial courses.

**Assistant Statistical Methodologist** (on co-op term) May 2013 Aug 2013  
*Business Survey Methodology Department, Statistics Canada, Ottawa, ON, Canada*

- Variance estimation due to imputation, 3k lines of SAS unit testing and benchmarking code

**Teaching Assistant, part-time** (part-time, while an MA econ student) Sept 2009 Apr 2013  
*Simon Fraser University, Burnaby, BC, Canada*

- Finance, economics and statistics courses and SAS, JMP and SPSS lab assistance

**Junior Java Programmer / Unit Tester** Mar 2002 - Aug 2004  
*Bluestream, BC, Canada*

- 30k lines of Java code, 200 test cases, Ant, JUnit, low level database engine development, web-statistics.

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## PROJECT EXPERIENCE

**Health economics observational data project (UofT applied statistics course)** Winter 2015

- Data cleaning, 100 images of data visualization, 1000 lines of R code, evaluation of alternative anaesthesiology drugs, cash flow charts for healthcare systems of three countries, MannWhitney U test

**Registry data of acute coronary events project (UWO survival analysis course)** Fall 2013

- Proportional hazards and accelerated failure time models, estimation of survival probability, 200 lines of R code.

**Web documents similarity search project (SFU data mining course)** Fall 2012

- Jaccard similarities on document shingling matrices, complexity reduction by min-hash signature conversion and locality-sensitive hash, 500 lines of Java code.

**Analysis of Vancouver dance studio market (SFU marketing course)** Summer 2007

- 50-page analysis on 5 studios, interviewing, income estimates, operation flow charts, clientele market sectors

## EDUCATION

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### **PhD of Statistics** (in progress)

Sept 2014 now

*University of Toronto, Toronto, ON, Canada*

- Courses in probability and statistics. Specializing in time series. 20k lines of R code, 3k lines of Python code. Confidence bands. Consistent serial correlation estimates. Locally stationary processes. 2k pages of technical text. .

### **Master of Statistics and Actuarial Science**

Sept 2013 Aug 2014

*Western University, London, ON, Canada*

- Courses and projects on survival analysis, risk management and modelling, generalized linear models, financial math and simulation. Project with medical data.

### **Master of Economics**

Sept 2009 Aug 2011

*Simon Fraser University, Vancouver, BC, Canada*

- Courses and projects on micro and macro-economics, game theory, finance and econometrics

### **Bachelor of Business Administration, Finance**

Sept 2004 Aug 2009

*Simon Fraser University, Vancouver, BC, Canada*

- Courses, projects and group presentations in marketing, finance, accounting, management, organizational studies, HR, economics, mathematics, statistics, critical thinking.