

# KATARINA BOSTON MAJETIC

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## EDUCATION

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<b>McGill University</b> - Montréal, Canada <i>Master of Science</i> , Mathematics and Statistics (Thesis) Focus: Statistics Advisor: Russell Steele, Ph.D. Awards: Graduate Excellence Fellowship	January 2020 - June 2021 (anticipated)
<b>McGill University</b> - Montréal, Canada <i>Bachelor of Science</i> , Mathematics Major and Economics Minor	September 2016 - December 2019
<b>Frankfurt International School</b> - Oberursel, Germany <i>International Baccalaureate</i> , Bilingual English/French Diploma	September 2010 - May 2016

## SUMMARY OF QUALIFICATIONS

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<b>Language</b>	Native English, Fluent French, Advanced German, Basic Croatian
<b>Technical</b>	Advanced R, LaTeX and Microsoft Office, Basic Python, SQL and Java
<b>Certifications</b>	German Goethe B1, Certified Scuba Diver
<b>Relevant Coursework</b>	Statistics, Regression & Analysis of Variance, Sampling Theory, Theory of Interest, Advanced Generalized Linear Models, Causal Inference, Computation Intensive Statistics, Time Series Analysis, Data Analysis & Report Writing, Mathematical Finance

## WORK EXPERIENCE

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<b>McGill University, Department of Mathematics and Statistics</b> <i>Teaching Assistant</i>	Montréal, Canada September 2020 - Present
<ul style="list-style-type: none"><li>• Prepare and administer tutorials, including presentation of precisely prepared illustrative examples</li><li>• Maintain regularly scheduled office hours, assist students with questions and concerns and respond to student queries</li><li>• Create and check solutions to assignments and examinations, mark and invigilate examinations, record grades</li></ul>	
<i>Grader</i>	September 2019 - Present
<ul style="list-style-type: none"><li>• Graded assignments and/or examinations for the following undergraduate courses: Mathematical Finance, Statistics, Intermediate Calculus, and Ordinary Differential Equations for Engineers</li></ul>	
<b>Merck KGaA</b> <i>Intern in Research and Development Controlling</i>	Darmstadt, Germany May 2018 – August 2018
<ul style="list-style-type: none"><li>• Assisted in generation of financial forecasts, actuals on projects and the reversal of Year End Provisions for early stage projects</li><li>• Created template and guidelines for the export of actuals from SAP and the Global Clinical Operations forecast</li><li>• Tracked Purchase Order Numbers to determine if expected invoices were received and the impact on the forecast</li></ul>	
<i>Intern in Quantitative Pharmacology and Drug Disposition/Controlling</i>	May 2017 – August 2017
<ul style="list-style-type: none"><li>• Aided in the generation of financial forecasts and cost tracking, and analyzing mathematical algorithm as a basis for project planning and tracking in Global Early Drug Development</li><li>• Ran mathematical models to evaluate drug candidate pharmacokinetic performance and biostatistic analysis</li></ul>	

## RESEARCH

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My graduate research is in causal inference, with a focus on nested case-control sampling and statistical modeling.

## LEADERSHIP AND EXTRACURRICULAR

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<ul style="list-style-type: none"><li>• <b>Department of Mathematics and Statistics at McGill University</b> Member of the Committee on Equity, Outreach and Student Wellbeing</li></ul>	September 2018 – Present
<ul style="list-style-type: none"><li>• <b>McGill Society of Undergraduate Mathematics Students</b> Vice President, Finance Vice President, External (Science)</li></ul>	May 2018 – April 2019 January 2016 – April 2017
<ul style="list-style-type: none"><li>• <b>McGill National Integrative Research Conference</b> Director of Finance</li></ul>	October 2017 – March 2018
<ul style="list-style-type: none"><li>• <b>Association for Women in Mathematics (Montréal Chapter)</b> Vice President/McGill Representative</li></ul>	January 2016 – May 2018