

# BARBORA DEJ, M.Eng B.Eng

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## Summary

Barbora Dej is an Analyst with over 5 years of experience as a business professional. Her area of expertise is data analytics, including predictive modeling and risk strategy development. Barbora holds a Master of Engineering degree in Electrical and Computer Science and a Bachelor of Engineering degree with a focus in Physics both from Carleton University. Barbora works towards the goal of improving a company's services and performance, while reducing costs and establishing more efficient processes and policies. She is able to anticipate issues early on and implement solutions to correct problems.

Barbora's positions at TD Bank have provided her with experience working in a team environment to solve complex solutions and projects. Working in the financial industry has expanded her experience modeling large amounts of data and presenting her findings and recommendations to business partners and senior management. She possesses extensive knowledge and applied experience utilizing financial and business principles and practices. The combination of her work experience combined with her formal education enables her to analyze multiple adverse conditions and provide problem resolutions, making her a valuable asset to any organization.

Her strong communication and teamwork approach have been beneficial when interacting with business partners, senior management and consultants. She is a highly motivated individual with proven resourcefulness. Barbora is interested in acquiring new skills through training and development. She is fluently bilingual and provides services in both official languages (English and French).

## Education

<b>MASTER of ENGINEERING, Electrical and Computer</b> , Carleton University, Ottawa	2009
<b>BACHELOR of ENGINEERING, Engineering Physics</b> , Carleton University, Ottawa	2007

## Highlighted Skills

- Fluently bilingual (French/English) both written and oral.
- A proven fast learner in complex environments.
- Ability to visualize and problem solve.
- Attention to detail, through quality control and organization.
- Ability to adapt, multi-task, and prioritize tasks appropriately.
- Strong interpersonal and communication skills.
- Effective management of cross-functional and special project teams due to strong
- Enjoy working independently as well as in a team environment, and able to take direction from management as well as peers.
- Experience summarizing data from a variety of data collection modes, including: data warehouse, spreadsheet, pivot table, graph, document review, laboratory experiment, website and journal research.
- Experience interpreting data, including forecasting both the risk and the profitability of initiatives using historical trends and presenting business decision insights to management
- Successful development of formal presentations, reports, desktops and scientific experiments.
- Promote team effectiveness by training and mentoring colleagues on business processes, database structures, SAS coding, validating data and financial analysis.

## Technical Skills

SAS/SQL, SAS Enterprise Guide software, DB2/SQL Server, Internet Explorer, Chrome, Microsoft Office Suite (Word, Excel, PowerPoint, Outlook), C++, Java, and Visual Basic

## Employment History

Risk Strategy Analyst, TD Bank, 2014 – present

Financial Analyst, TD Bank, 2010 – 2014

Teaching Assistant/Tutor, 2009 – 2014

Junior Software Developer, JSI Telecom, 2010 – 2010

Researcher, Coop Student (DGNS, DRDC, TRIUMF, The Ottawa Hospital) 2003 – 2007

## Highlighted Experience

### RISK STRATEGIES ANALYST, TD Bank

2014 – present

- Perform data analysis pertaining to the retail risk management of existing customer strategies, interpret information, make recommendations to senior management, and deploy into business processes.
- Develop credit risk predictors, both models and processes, used bank-wide for critical strategy development and marketing campaigns.
- Ensure timely identification, communication and resolution of strategy issues within internal and external groups.

### FINANCIAL ANALYST, TD Bank

2010 – 2014

- Supported multiple departments with the creation and validation of credit card strategies.
- Developed and conveyed comprehensive business decision insights to senior management through financial presentations and reports.
- Queried millions of records of data using SAS Enterprise Guide and MS Excel, checked for accuracy, created financial data models, anticipated questions and adapted the models as needed.
- Evaluated the incremental value of campaigns by assessing historical test and control performances as well as champion and challenger performances.
- Developed forecasting models by leveraging business knowledge, emerging trends and analytical expertise.
- Improved company-wide business reporting practices by providing new insights on the low contract card business and FICO markets.
- Researched and presented SAS Enterprise Guide efficiency tips at the 2014 quarterly SAS User Group.
- Trained and mentored colleagues on financial analysis and how to read a profit and loss (P&L) statement due to interpersonal and technical skills.
- Fostered a collaborative culture by leveraging resources, sharing knowledge, job shadowing in other departments as well as participating in team social and charity events.

**TUTOR and TEACHING ASSISTANT**

2007 – 2014

Carleton University, Ottawa

- Tutored and taught undergraduate Electrical Engineering and Math courses.
- Consistently improved student test results by augmenting critical thinking skills.
- Increased the time and effort students put towards achieving their goals through mentoring.

**JUNIOR SOFTWARE DEVELOPER, JSI Telecom**

2010 – 2010

- Gathered client requirements from technical support, testing and developer teams.
- Provided coding solutions to problems and enhancements.

**CO-CHAIR, Social Events Committee of the Canadian Slovak League**

2010 – present

The Canadian Slovak League's goal is to create a sense of community, share Slovak culture and fundraise for children's events.

- Organize an annual formal party with over 200 attendees, including managing the budget, schedule, marketing and advertising, ticket sales, sponsorship, donations and emceeing.
- Raise \$1,000 annually for community causes and organizations.
- Correspond with visitors to Ottawa who asked the Slovak League for help in arranging their performances in order to showcase their cultural talents.
- Chair meetings with five other committee members, delegating tasks and ensuring they were completed.
- Oversee two Facebook groups for both the local and national community.
- Write newsletter articles.

**CO-ORGANIZER, Girl Develop IT**

2010 – 2013

This Ottawa chapter of an international organization provides hands-on software development workshops for the purpose of building confidence in women's technical abilities.

- Collaborated with 2 other co-organizers and optimized teaching style and content with instructors.

**CO-FOUNDER, Women in Science and Engineering Student Group,  
Carleton University**

2007 – 2009

The primary focus of the Women in Science and Engineering Student Group was to promote science and engineering to females at a pre-university level and supporting those already enrolled in a science or engineering program.

- Established collaborations with a network of organizations with similar causes.
- Built a membership base of more than 300 students.
- Trained 10 officer members who could potentially replace executive member alumni.
- Headed funding strategies, budgets and marketing methods.
- Organized social events, presentations, workshops and conferences with positive attendee feedback.
- Spoke to a wide range of age groups of up to 50 people in TV/radio broadcast, classroom, conference and workshop settings (locally and internationally) for the purpose of teaching, breaking barriers and empowering women to pursue their interests in science and engineering.

## RESEARCHER (CO-OP STUDENT)

2003 – 2007

Ottawa, ON and Vancouver, BC

- Gained 12 months of experience in modeling, collaborating with teams, presenting results and technical writing in areas of health physics, medical physics, particle physics and landmine detection.
- Designed and performed scientific experiments to discover the successes of using one landmine detection technique in all possible scenarios.
- Co-authored 2 academic papers about my computational and statistical analysis on cardiac dyssynchrony.

## Professional Development

- First Aid and CPR and Medical First Aid Training, 2014
- SAS Statistics 1: Introduction to ANOVA, Regression and Logistics Regression, 2012
- SAS Macro Language 1: Essentials, 2011
- SAS Programming 1, 2, 3: Essentials, Data Manipulation, Advanced Techniques, 2011
- FIN2304: Introduction to analyzing and solving financial problems faced by businesses, 2011

## Languages

**English:** reading, writing and oral

**French:** reading, writing and oral

**Slovak:** reading, writing and oral

## Community Involvement

- Member, Environmental Group, TD Bank, 2015-present
- Medical First Responder, St. John Ambulance, 2014 – present
- Co-Chair, Social Events Committee of the Canadian Slovak League, 2010 – present
- Member, Coureurs de Bois White Water Kayaking Community, 2010 – present
- Recreation Sports, Ottawa Sport and Social Club, 2009 – present
- Co-Organizer, Girl Develop IT, 2010 – 2013
- Co-Founder, Women in Science & Engineering Student Group, Carleton University, 2007 – 2009

## Interests and Hobbies

- Athletics: volleyball, snowboarding, mountain biking, white water kayaking, Latin and ballroom dancing
- Other: travelling, health/nutrition, independent filmmaking, sustainable development, mentoring