

## **Ali Raisolsadat**

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### SKILLS

- Excellent written and verbal communication skills
- Organized with the ability to work well in high pressure environment
- Personable with the ability to work well with coworkers and the public
- Strong mathematical and analytical skills
- Strong research skills with ample experience
- Proficient in using Internet and computer applications including Microsoft Office, PowerPoint, Outlook, and Google Drive
- Intermediate level of using Microsoft Excel
- Proficient in English and Farsi (Persian)

### EXPERIENCE

#### **University of Prince Edward Island, Charlottetown, PEI**

*Student Research Assistant*

January 2021 - PRESENT

- Conducted research regarding the United Nations sustainable development goals (SDGs), with help of Dr. Kai Liu.
- Gathered, arranged and corrected the United Nations' SDG indicators to create representative graphs and charts highlighting results for presentations, using various R graphical and statistical packages and functions.
- Constructed and tested machine learning algorithms over the SDG indicator data and defined a sustainability index using the results.
- A research paper is currently being written for our findings.

#### **Veterans Affairs Canada, Charlottetown, PEI**

*Student Research Assistant*

May 2020 - September 2020

- Conducted research with Dr. Julian Velez regarding Cannabis for Medical Purposes (CMP) reimbursements and longitudinal claim frequencies.
- Planned, modified and executed research techniques, procedures and tests.
- Arranged and corrected research data to create representative graphs and charts highlighting results for presentations.
- Created presentation of the time series models in R flexdashboard and RShiny.

#### **University of Prince Edward Island, Charlottetown, PEI**

*Student Research Assistant*

May 2018 - September 2018 and May 2019 - September 2019

- Worked on a project titled "Geometric Approach to Risk Management", with Dr. Alex Alvarez.
- Modeled and implemented asset pricing models and geometric risk measures in MATLAB and R Software.

## ACHIEVEMENTS

- Presented the research project at University of Prince Edward Island, both for the SPUR program (received SPUR scholarship) and as a colloquium presentation.
- Presented the research project in Science Atlantic 2018 (Université de Moncton) and achieved second place in the Statistics section of the presentations.

### **Agriculture and Agri-food Canada, Charlottetown, PEI**

*Administrative Office Assistant*

July 2017 - September 2017

- Helped organize the semi-annual open house event for Agriculture and Agri-food Canada stakeholders.
- Office duties, such as printing, making binders for Charlottetown regional executives, filling out different forms, typing documents and setting up conference rooms.

## EDUCATION

### **University of Prince Edward Island, Charlottetown, PEI**

*Actuarial Science*

January 2020 - PRESENT

- Relevant coursework: Probability Theory, Long Term Actuarial Science Mathematics, Loss modeling, Machine Learning, Data Structures in Java, Data Mining and Visualization

### **University of Prince Edward Island, Charlottetown, PEI**

*Financial Mathematics*

September 2014 - May 2019

- Relevant coursework: Interest Theory, Financial Mathematics, Financial Economics, Advanced Corporate Finance, Statistical and Mathematical Modeling

## AWARDS

- Harry MacLauchlan Memorial Award in Mathematics, 2019
- SPUR award, 2018

## VOLUNTEER EXPERIENCE

### **University of Prince Edward Island, Charlottetown, PEI**

*School of Mathematical and Computational Society*

September 2015 - April 2019

- Assisted with planning and setting up events in the Mathematics faculty.
- Finance executive of SMCS (School of Mathematical and Computational) society for the period of 2017-2018.

### **Prince Edward Island Newcomers Association, Charlottetown, PEI**

*Citizenship Class Teacher*

September 2015 - July 2018

- Assisted and taught citizenship classes for newcomers.