

# DANIELLE NOTICE

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## EDUCATION

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- 2021- Present    **MRes Statistics and Operations Research**, STOR-i CDT, Lancaster University
- 2019 – 2020    **MSc Statistics with Data Science (*Distinction*)**, University of Edinburgh  
*Courses include:* Statistical Programming, Machine Learning in Python, Object-Oriented Programming with Applications (*in Finance and Operations Research*), Fundamentals of Optimization, Statistical Research Skills
- 2016 – 2019    **BSc Actuarial Science (*First Class Honours*)**, University of the West Indies (Mona, Jamaica)  
*Courses include:* Time Series Analysis, Regression Analysis, Selected Topics in Operations Research, Stochastic Modelling, Linear Optimization
- Society of Actuaries Examinations**
- 2018    Passed Financial Mathematics
- 2017    Passed Probability
- 2017    **University of Waterloo (Canada)**  
*Participated in the Student Exchange Programme*

## PROJECTS & RESEARCH EXPERIENCE

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*Below is a list of statistics and data analysis projects I have completed and the programming language used for analysis.*

- R**
- Identifying houses across Scotland with internal lead piping (in partnership with Scottish Water). *Postgraduate dissertation*
  - Exploration of techniques for analysis of survival data. *Undergraduate research project*
  - Statistical analysis of energy efficiency data
  - Analysis of data on the winning times in Olympic track events
  - Analysis of authorship of text files given text files
- Python**
- Predicting house prices using regression models
  - Predicting quality of wine based on chemical properties using classification models
- C#**
- Exploration of optimisation and clustering techniques

## AWARDS

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*University of Edinburgh*

- Top Student on the MSc Statistics with Data Science (**2020**)
- Royal Statistical Society Prize (**2020**)
- School of Mathematics Scholarship (**2019**)

*University of the West Indies*

- Henry Aub Prize, *Top overall performance in Level 2 Pure Mathematics courses* (**2019**)
- Dean's Honour Roll, *Faculty of Science and Technology* (**2017 – 2019**)
- Department of Mathematics Prize (Level 1), *Top-performing first year student in the department* (**2018**)
- Merville Campbell Prize (Level 1), *Best performance in Level 1 Mathematics courses* (**2018**)

- University of the West Indies Student Award, *Among top 10 performers in Faculty of Science and Technology (2017 – 2018)*
- University of the West Indies Open Scholarship **(2016)**

#### *Other*

- Top Performing Female, *Ardenne High School (2016)*
- 5<sup>th</sup> place in CAPE Applied Mathematics Unit 1 (*national*), *Caribbean Examination Council (2015)*
- Jamaican Mathematical Olympiad Medallist **(2010 – 2014)**

### **KEY SKILLS & COMPETENCIES**

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- **Analytical skills** – I successfully completed 2 quantitative degrees, learning and completing projects with statistical modelling, machine learning techniques and data visualisation.
- **Programming skills** – Proficient in R, Python and MS Office; Working knowledge of C#
- **Communication skills** – I have experience writing reports for projects completed during my studies, as well as presenting to satisfy coursework requirements. I have also prepared presentations and written materials for conducting training sessions, workshops or tutorials.
- **Interpersonal skills** – Serving as a student ambassador, a tutor and in volunteer positions have given me experience interacting and working with people.

### **RELEVANT EXPERIENCE**

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- 2020 – **Management Intern**, Jamaica Public Service, *Strategy and Regulatory*  
2021 *Department*  
*Conduct analysis regarding tariff design, and financial performance, and energy demand forecasting.*
- 2018 – **Tutor**, University of the West Indies (*Mona, Department of Mathematics*)  
2019 *Conducted tutorials for mathematics courses and provided additional assistance to students during office hours.*
- July **Intern**, Guardian Life Limited, *Pensions Administration Department*  
2018 *Preparation of pooled financial statements, data entry and collection related to certificates of life, communication with pensioners and beneficiaries*
- Summer **Intern**, COK Sodality Cooperative Credit Union, *Records Department*  
2015 *Data entry and validation*  
**Awarded TEF Summer Internship Programme Intern of the Year**

### **OTHER EXPERIENCE AND INVOLVEMENT**

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- 2020 – 2021 **Graduate Statistician**, Royal Statistical Society
- 2019 – 2020 **Student Ambassador**, University of Edinburgh  
*Assistance with and provision of information about university events, engaging with guests, participation in panel sessions*
- 2016 – 2019 Actuarial Society, University of the West Indies  
Jamaica Youth Chorale
- Summer **Daily Vacation Bible School**, Waltham Park New Testament Church of God  
2013 – 2019 **Administrative Coordinator, Member of leadership team**  
*Leading training sessions for workers, preparation of budgets and manuals coordinating registration process.*