J. E. ALEXANDER REICKER

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Profile

B.Math in Applied Mathematics (University of Waterloo, 2002)
M.Sc in Mathematics (Queen's University, 2005)
Bilingual, English and French
Programming Experience in SAS, SQL, MatLab and other languages
Experienced Teacher at the University Level

Professional Experience

Methodologist Statistics Canada 2011 – Present

- Managed a team of methodologists working on large business surveys relating to manufacturing, capital expenditures, R&D investment and other subjects.
- Guided the implementation of a major redesign of the sampling strategy for over 30 annual industry surveys.
- Developed improvements to the edit and imputation strategy for multiple agriculture surveys.
- Applied probabilistic and deterministic record linkage methods to projects in health and justice.
- Taught the Statistics Canada course on record linkage in both English and French.

Research Assistant Queen's University 2002 – 2009

- Used analytical and critical thinking skills to investigate positive semi-definite programming algorithms.
- Coded a program to solve a quantum mechanical problem using existing software.
- Showed managerial abilities by directly supervising summer and exchange students.
- Gave regular presentations to small groups on related research areas.

Teaching Fellow and Private Tutor Queen’s University and the University of Western Ontario 2002 – 2011

- Demonstrated confidence and communication skills as the instructor for second and third year math courses for engineers.
- Created a set of course notes which were distributed to new instructors.
- Inter-personal skills were used to tutor students from high school to graduate school, in courses from all areas of mathematics and the physical sciences.
- Experience with disabled and dyslexic students.

Leadership Experience and Awards

Organist: Experience playing services, concerts and leading choirs.
Science Fair Judge: FLASF (Kingston) and ORSF (Ottawa).
Recipient: E. G. Baumann Fellowship (2005).
Recipient: René Descartes Scholarship (1998).

References Available on Request