Cameron Clarry
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Summary of Qualifications

- Over ten years of programming experience from both self-study and rigorous academic courses in languages including Java, Python, C, C++, JavaScript, and PostgreSQL
- Experience with high performance computing in Unix environments from graduate courses and research work
- Excellent critical thinking and problem solving skills developed throughout a math- and physics-focused education
- Ability to effectively communicate the meaning and implications of data and derived statistics
- Fluent in Python data analysis and machine learning tools including numpy, scipy, pandas, matplotlib/seaborn, TensorFlow, and scikit-learn

Work Experience

Research Assistant — University of Waterloo — May 2018 - August 2018

- Analyzed data from fluid simulations to find and explain interesting phenomena
- Used ParaView and Python on the Graham computing cluster for data visualization and analysis
- Presented results to other RAs and supervisors at the end of the term

Data Scientist — Scotiabank — September 2017 - December 2017

- Used a variety of methods to analyze customer data and generate product recommendations
- Applied machine learning techniques including neural networks (feed forward, recurrent, autoencoders, etc) and clustering algorithms using TensorFlow and scikit-learn
- Communicated results of analyses to coworkers through discussions and presentations

Math Tutor — Centennial College — September 2016 - April 2017

- Assisted hundreds of students in the math drop-in with courses ranging from business math to calculus and physics
- Helped market the Learning Centre, including class visits and promotional events
- Analyzed usage data to identify peak hours and other interesting trends
- Created solutions to placement tests using LaTeX

Education

- Masters of Science in Physics from the University of Toronto (2019 - 2020)
- Compute Ontario Summer School on Scientific and High Performance Computing (2018)
- Bachelor of Mathematics in Mathematical Physics from the University of Waterloo (2014 - 2019)