Kayman Brusse

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EDUCATION Bachelors of Science, Honours 3.82 GPA

2014 - 2019 (Expected)

University of Toronto, Toronto, ON

Specialist in Computer Science, Focus in Theory of Computation

Major in Mathematics

PROJECTS

Models and Algorithms for Social Networks

May 2018 - September 2018

Department of Computer Science, University of Toronto

Supervisor: Professor Peter Marbach

- Developed a novel mathematical model for communities inside of online forums, identifying metrics correlated with community activity.
- Created experiments to verify this correlation, processing over 2 years worth of real-world forum data.
- Presenting this research at the Undergraduate Research in Computer Science Conference, University of Toronto.

EXPERIENCE

Software Engineer

May 2017 - April 2018

Flipp Corporation, Toronto, ON

- Worked on a small team as one of two full-stack developers, building services for reporting attribution data to North America's largest retailers.
- Designed and developed a web-app for self-service data analytics, replacing a legacy product. Added over a dozen new interfaces, and cut response times in half for the most popular requests.
- Made significant contributions to ship a new automated data delivery service, resulting in a 4x increase to the number of retailers receiving reports.
- Took complete ownership of a legacy reporting system, troubleshooting all incoming issues and adding any necessary features or bug fixes.

Teaching Assistant

Winter 2017

Department of Computer Science, University of Toronto

- TA for CSC165: Mathematical Reasoning for Computer Science
 - Taught and assisted students in weekly problem sessions; performed grading duties for assignments and exams.

Technical Systems Analyst

May 2016 - August 2016

RBC Capital Markets, Toronto, ON

- Worked in Java to develop tools supporting a Canadian ETF market making and trading application.
- Built and deployed a service to IBM Cloud (Bluemix), automating a daily task that saved 30 minutes of developer time per day.

LANGUAGES

Little or no reference needed:

Some reference needed:

Python, Javascript, Ruby, SQL, LATEX C, Clojure, Java

SOFTWARE

Git, Linux, Jupyter Notebook, React.js, Redux, Ruby on Rails, Angular.js

AWARDS

- NSERC Undergraduate Student Research Award 2018
- University of Toronto Dean's List 2014 2018
- New College Alumni In-Course Scholarship (Academic Excellence) 2016
- New College Council In-Course Scholarship (Academic Excellence 2015