

## EDUCATION

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### UNIVERSITY OF TORONTO

Toronto, ON

*Bachelor of Science: Statistics & Computer Science*

June 2016

- *Academics*: Object Oriented & Functional Programming, Data Structures & Algorithms Analysis, Statistical Modelling
- *Extracurriculars*: Hacker Academy, Orientation (Frosh) Week Leader, Hart House Debating Club
- *Athletics*: Bachata Dance, Yoga, Dragon Boat (Rowing), Intramural Squash, Ice Hockey & Flag Football

## EXPERIENCE

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### UNIVERSITY HEALTH NETWORK - TORONTO WESTERN HOSPITAL

Toronto, ON

*Manager – Data*

Sept 2014 – Present

- Provided end-to-end data services utilizing Excel VBA, R & SQL to support research laboratories across 3 universities; data sets published in 5 separate research papers and included in 10+ grant applications
- Collaborated with a diverse research team including neurologists, neuropsychologists and radiologists committed to pioneering treatments for neurodegenerative diseases in the area of sports-related concussions

### SAP

Vancouver, BC

*Developer – Business Intelligence*

Sept 2013 – May 2014

- Developed an internal web application to better predict software release cycles by collecting, analyzing and reporting on project tracking data (JIRA); adopted organization-wide by Project Managers across 13 different product areas
- Interfaced with associates in the Product and Engineering divisions to improve operational efficiencies and enable scalable business growth by promoting development transparency and providing ad-hoc data visualization

### BANK OF AMERICA MERRILL LYNCH

Toronto, ON

*Analyst – Risk & Analytics*

May 2013 – Aug 2013

- Built an internal data analysis application powered by Hadoop to process TBs of log files generated daily by 100s of globally disparate financial applications; consolidated application metrics to enable in-depth monitoring by the Infrastructure team
- Coordinated with the Infrastructure team to drive decisions for functional deprecation and application migration; resulted in the migration of the global pricing engine for financial derivatives in NY, Toronto, London & Hong Kong

### JARDEN CORPORATION

Brampton, ON

*Analyst – Demand Forecasting*

May 2012 – Aug 2012

- Developed a bespoke Excel VBA tool to forecast customer volume patterns and align inventory levels based on historical sales trends and statistical modelling; improved average forecast accuracy rate (short & long term) by 23%
- Worked closely with Marketing & Finance to develop a refined Sales & Operations plan and improved revenue allocation and financial budgeting across business units totalling \$150+ Million

## SKILLS

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- Programming Languages: Python, Javascript, C, R
- Data Processing: Hadoop, Spark, Excel VBA, SQL
- Databases: MongoDB, PostgreSQL, Cassandra
- Web: AngularJS, Node.js, Socket.IO, D3.js
- DevOps: Ubuntu (Linux), AWS, NGINX
- Developer Tools: Git, JIRA, Vim

## PROJECTS

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### STYLEFNF

<http://www.stylefnf.com>*Founder & Lead Developer*

Nov 2015 – Present

- Web application focused on building a local community marketplace to enable college students to buy, sell and discover fashion with each other; MongoDB, ExpressJS, AngularJS, Node.js & Socket.IO using AWS EC2 and S3
- Launched across 4 different college campuses in Toronto; secured \$8K+ in funding; U of T Startup Incubator 2015 Cohort

## ADDITIONAL

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- Github: <http://github.com/sugataa>
- Interests: Financial Trading & Investing, Powerlifting
- Hackathons: PennApps (Philadelphia), AngelHack (Vancouver), UofTHacks (Toronto), MHacks (Ann Arbor)