

Divyang Arora

4th Year Computer Engineering Student Seeking Fall 2020 Internships

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EXPERIENCE

- **Toronto-Dominion Bank** Toronto, Canada
Data Science Intern Sep 2019 - Dec 2019
 - Developed a predictive model with 92% accuracy to forecast whether a customer will refinance.
 - Automated creation of personalized marketing campaigns (300,000 customers) based on model results.
 - Campaign is projected to generate 300 new mortgages annually, according to preliminary results.
 - **Technologies Used:** Python, Apache Spark, SQL, Docker, Hadoop, Hive
- **Deloitte Consulting** Toronto, Canada
Data Science Intern Jan 2019 - Apr 2019
 - Prototyped and built a classifier for JIRA tickets, removing low priority tickets to save hundreds of human processing hours.
 - Applied a keyword search algorithm to quantify and report how funds are spread internally across different research areas.
 - Generated reports and data visualizations in Tableau for Business Insights Team.
 - **Technologies Used:** Python, Apache Spark, JIRA, SQL, R, Tableau
- **Lumentum Inc** Ottawa, Canada
Software Engineering Intern May 2018 - Sep 2018
 - Developed a graph analysis software using PANDAS to analyze 10,000+ graphs.
 - Implemented RESTful APIs in Node.js and Express.js to retrieve and store data-sets with MongoDB.
 - Designed an internal client facing UI with React.js and Angular to allow for data visualization and analysis with D3.js.
 - **Technologies Used:** Python, PANDAS, MongoDB, Node.js, Express.js, React.js, Angular, D3.js

RESEARCH

- **University of Ottawa** Ottawa, Canada
Engineering Research Assistant Sep 2017 - Dec 2017
 - Worked on implementing ML models interacting with nanotech wearable electronics to predict user activity.
 - Researched Flexible Hybrid Electronics (FHE) that integrate both thin silicon chips along with printable electronic materials and sensors.

PROJECTS

- **Algorithmic Trading:** Used various ML models to predict Graham Numbers of stocks and identify value investing opportunities. Trying to encompass teachings of *The Intelligent Investor* by Benjamin Graham.
- **Undervalued Domain Hunter:** Utilized word2vec and TensorFlow to help identify undervalued domains for sale. Converted a \$1,000 investment to a portfolio worth over \$12,000.
- **SQL Parser:** Created a SQL Query Parser checking for redundant JOINS and simplifying logic.
- **Python and Statistics for Financial Analysis:** Completed course from *The Hong Kong University of Science and Technology*.

EDUCATION

- **University of Ottawa** Ottawa, Canada
Bachelor of Applied Science in Computer Engineering; Dean's Honour List Sep 2016 - Dec 2020
Minor in Engineering Management and Entrepreneurship (CO-OP) GPA: 3.84/4.0

PROGRAMMING SKILLS

Languages: Python, Java, Scala, C++, SQL, R, JavaScript, C, HTML, CSS

Technologies: Git, Apache Spark, TensorFlow, PyTorch, Hadoop, Docker, React, Kafka