

SHAYAN MASOOD

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OBJECTIVE

- To gain an employment opportunity in Big Data analysis

EDUCATION

University of Waterloo <i>Candidate for Bachelor of Mathematics - Computer Science</i>	Waterloo, ON, Canada 2011 - 2016
William Lyon Mackenzie Collegiate Institute <i>Ontario Secondary School Diploma - MaCS program</i>	Toronto, ON, Canada 2007 - 2011

SKILLS

- Proficient Languages: Java, C++
- Familiar Languages: C, Python, Scala
- Tools: Spark, Hadoop, Hive, AWS, Google BigQuery, Google Analytics, Facebook Insights, Maven, git, Graphite Realtime Graphing, D3.js, L^AT_EX.

WORK HISTORY

PlaceIQ <i>Data Science Intern</i>	New York, NY, USA Jan 2015 - Present
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- Analyze petabyte scale geospatial data with Spark/Scala, MapReduce
- Work on feature extraction of mobile request logs
- Write and automate data pipelines using Azkaban
- Use statistical approaches to understand and assess data quality from different networks
- Run ad-hoc spark jobs on Amazon EMR for various campaigns

nModal Solutions - Analytics Canvas <i>Big Data Developer</i>	Toronto, ON, Canada May 2014 - Sept 2014
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- Developed a Google BigQuery connector for the Analytics Canvas desktop tool
- Wrote algorithms to perform segmented funnel analysis on massive Google Analytics Premium datasets
- Generated Google Analytics Premium simulated data and created corresponding visualizations

Veeva Systems <i>Software Engineer</i>	Toronto, ON, Canada Jan 2013 - May 2013
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- Designed and developed a metrics data warehouse for capturing user level and performance statistics
- Worked on ingesting various data pipelines and managing data flow
- Produced real-time dashboards using Highcharts and Graphite Realtime Graphing

PROJECTS

- **PhysAssistant**: A tool that helps physicians prescribe medication to patients by minimizing drug to drug interactions. Built at HealthHack MITxCornellTech.
- **StreetSavvy**: An application to generate safe routes in New York City based on crime data and other factors. Won visualization award at CornellTechxColumbia Data Hackathon.
- **fRank**: Gathering and clustering of articles from various RSS feeds for a curated science and technology news feed.
- **Alternis**: A search engine to find alternatives to anything searched. Built at HackTheNorth.
- **Google Cloud Data Flow**: Manage Google Analytics Premium dataflow within Google Cloud.

HONORS AND AWARDS

- Recipient of University of Waterloo President's Scholarship
- Member of Ron Eydt Village Residence Student Council and Vice President of the Bioinformatics Club for 2011