Danish Khan

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Experience

ThinkData™ Works   **May 2016 - August 2016**
Data Analyst / Software Engineering Intern
- Developed a fault-tolerant light-weight web crawler for finding and acquiring property assessment data from hundreds government GIS portals.
  - Reduced acquisition time by using Google Cloud computation to deploy multiple crawler images for limitlessly parallel acquisition.
- Integrated an acquisition pipeline with TDW™ Namara.io platform for acquiring business listing, address point and U.S. census data.

Projects

NSERC Grant Forecasting Web App (Feb.2016 - Apr.2016)
- Developed an AngularJS web app that forecasts the future financial size of a field of scientific research, and projects the likelihood of an NSERC affiliated researcher acquiring a grant in the future.
- Provides search and data visualization tools for visually understanding data.
- Compatible with Android, iOS, Firefox, Safari, Chrome

N-Men's Morris Game (Feb.2016 - Apr.2016
- Reduced the Nine-Men's Morris Game to a mathematical function and implemented the resulting variable ruleset for an N-variable Morris game with accompanying AI logic.

Web Reader (Summer 2014)
- Created a cross browser web applet using ActionScript 2 for data visualization.

Java Asteroids Game (Summer 2013)
- Recreation of the original.
- All visuals generated with math and rendered using the LibGDX graphics framework.

Education

McMaster University   **Sept.2014 - April 2019 (expected)**
Bachelor of Engineering, Software Engineering Co-op

Technical Skills

Programming Languages:	**Other:**
Java, Ruby, C++, C#, Python, HTML, JavaScript	Docker, Mechanize, Nokogiri, LibGDX
Hardware Languages:	**Operating Systems:**
Verilog, VHDL	Linux, Mac OS, Windows

Laboratory: Circuit Analysis, Function Generator