

# RAMANDEEP FARMAHA

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4<sup>th</sup> Year Systems Design Engineering Student

## SKILLS

|                        |  |
|------------------------|--|
| <b>Programming</b>     | Java, Python, C++, Matlab  |
| <b>Web Development</b> | Javascript, HTML5, CSS3, AngularJS, Handlebars   |
| <b>Backend</b>         | Spring, JDBC, AWS (Kinesis, S3, DynamoDB, SQS, Lambda, EC2, Aurora) Heroku, Tomcat, Flask, ActiveMQ, Spark |
| <b>Data Science</b>    | NLTK, scikit-learn   |
| <b>Databases</b>       | Cassandra, MySQL, SQLite   |
| <b>Development</b>     | Git, Bash, Jenkins, Vim  |

## EXPERIENCE

|                     |  |
|---------------------|--|
| Sep 2016 – Dec 2016 | <b>Software Engineer</b> – <a href="#">Veeva Systems</a> <ul style="list-style-type: none"><li>Architected and built a high-throughput event publishing system that streams serialized event data from local servers to AWS using Kinesis</li><li>Developed and added new features to Java-based SQL parser</li><li>Built and migrated user services from existing Rackspace solution to AWS</li></ul> |
| Jan 2016 – May 2016 | <b>Software Engineer</b> – <a href="#">Kik Interactive Inc.</a> <ul style="list-style-type: none"><li>Built an open-source Java implementation of Blockhash image algorithm</li><li>Developed and built pipelines for user data scrubbing and aggregation using AWS CloudFormation and Elastic Beanstalk</li></ul>   |
| May 2015 – Aug 2015 | <b>Software Engineer</b> – <a href="#">Seeq Corporation</a> <ul style="list-style-type: none"><li>Constructed multithreaded performance testing framework for Seeq's custom Java Cassandra drivers</li><li>Automated Seeq application and Cassandra cluster deployment on AWS</li></ul>  |
| Sep 2014 – Dec 2014 | <b>Web Developer</b> – <a href="#">Raymond James Ltd.</a> <ul style="list-style-type: none"><li>Created financial calculators using AngularJS and Bootstrap</li><li>Developed JSON-based document database tool with AngularJS</li></ul>   |

## PROJECTS

|                               |   |
|-------------------------------|---|
| <b>Wikipedia Summarizr</b>    | Flask web app that uses NLP to automatically summarize Wikipedia entries                          |
| <b>Mus.IQ</b>                 | Song-guessing game Kik bot; pulls from Spotify API, built using Flask                             |
| <b>Midnight Sun Solar Car</b> | Business Lead – Internationally compete in the World Solar Challenge and American Solar Challenge |

## EDUCATION

|                     |  |
|---------------------|--|
| Sep 2013 – May 2018 | <b>B.A.Sc in Systems Design Engineering</b> - University of Waterloo – 3.8 GPA <ul style="list-style-type: none"><li>Relevant Courses: Machine Intelligence, Pattern Recognition, Data Structures and Algorithms</li></ul> |
| Summer 2015         | <b>Scalable Machine Learning</b> - University of California, Berkeley edX – A grade  |

## INTERESTS

Hip-hop head, basketball and fitness junkie, film geek, and avid reader