

RAMANDEEP FARMAHA

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4th Year Systems Design Engineering Student

SKILLS

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

EXPERIENCE

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

PROJECTS

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

EDUCATION

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

INTERESTS

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