

Haopeng (Hoppe) Wang

Burnaby, BC, CA

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Technical Skills

- **Programming Language:** Python, Javascript, Java, SQL, HTML, C++, C, R.
- **Big Data/ Data Science:** Hadoop, Spark, Cassandra, Tensorflow, Pytorch, Keras, Pandas.
- **Tools/ Framework:** AWS, Git, React (Native), Kubernetes, Node.js, Django, Android Studio.

Work Experience

- **Realtor.com** **Richmond, BC, Canada**
May 2019 - Dec 2019
Software Engineer, Data Aggregation Co-op
 - Worked collaboratively in an Agile/Scrum team to maintain our listing data pipeline and create real estate specific data transformation rule with Java and Javascript.
 - Helped our team migrate special datasources to the new data pipeline by writing python scripts to provide migration metrics and automation.
 - Linked MySQL database to Google Sheet using AWS Lambda and Google Sheet API to create a daily auto-generated report which is used to monitor the status of all datasources.

Selected Projects

- **Mobile Music App Development** Sept 2019 - Jan 2020
Self-directed
 - Built a cloud powered music App which allows users to listen to Youtube music offline
 - Powered by React Native, can be built to run on both iOS and Android devices.
 - Deployed the back end service with AWS Lambda and API Gateway to go completely serverless with high scalability and simplicity.
- **Cryptocurrency Real-Time Prediction System** **Simon Fraser University**
Apr 2019
Programming for Big Data II Course Project
 - Developed a deep learning model (LSTM RNN) to predict Bitcoin price by integrating historical and social media data with news sentiment analysis.
 - Built a streaming system, which includes pipelines for data collection and feature extraction, model prediction, RabbitMQ result publishing, and Node.js Server-Sent Events (SSE), to send real-time price prediction to our [web front end](#).

Education

- **Simon Fraser University** **Burnaby, BC, Canada**
Sept 2018 - Present
MSc in Computer Science (Big Data)
GPA: 3.78/ 4.33
- **Xi'an Jiaotong University** **Xi'an, China**
Sept 2014 - Jun 2018
Bachelor of Energy and Power Engineering
GPA: 84/ 100