Hoppe Wang
📱 (+86) 18679350152 • ✉ wanghp000@gmail.com

Technical Skills

- **Programming Language**: Javascript, Typescript, Python, Java, SQL, Dart, HTML, CSS
- **Web**: Vue, React (Native), Lit, Webpack, Rollup, Node.js, Koa.js, Flutter, Django
- **Big Data/ Data Science**: Hadoop, Spark, Tensorflow, Pytorch, Keras, Pandas.

Work Experience

Bytedance   **Shanghai, China**
Frontend Developer   *Sept 2020 - Present*

- Developed the web frontend and the BFF service of Bytedance Monetization Data Center, worked on multiple projects which include intelligent decision-making, data asset management, and operating center, using the technical stack of Vue2, Composition API, Typescript, Koa.js

Realtor.com   **Richmond, BC, Canada**
Software Engineer, Data Aggregation Co-op   *May 2019 - Dec 2019*

- 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.

Selected Projects

Monetization Data Center
Bytedance   *Sept 2020 - Present*

- Bytedance Monetization Data Center is an internal-faced platform, which aims to empower different monetization business lines using Big Data by creating end-to-end data solutions and providing high-quality data applications and services.
- Designed a solution for outputting Data Center's frontend capabilities to third-party systems using Lit and web component to encapsulate underlying logic and support cross-platform.
- Maintained a set of mxGraph-based DAG (Directed Acyclic Graph) data flow low-code editing system and developed a graph visualization of the services topology to help developers locate unhealthy modules in a large micro-service-based system.
- Optimized the Puppeteer screenshot service by limiting the length of the screenshot queue using Redis and managing the service logs and alarms to maintain the service stability.
- Migrated and deployed the Data Center overseas's front-end and BFF services to meet the company's data compliance requirements.

Mobile Music App Development
Self-directed   *Sept 2019 - Jan 2020*

- 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.

Education

Simon Fraser University   **Burnaby, BC, Canada**
MSc in Computer Science (Big Data)   *Sept 2018 - Jun 2020*
GPA: 3.78/ 4.33

Xi'an Jiaotong University   **Xi'an, China**
Bachelor of Energy and Power Engineering   *Sept 2014 - Jun 2018*
GPA: 84/ 100