Jerry Jiang
3B Software Engineering

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REDACTED
github.com/tpcstld

Technical Qualifications

- **Languages:** Javascript, Python, Java, C++, Scala, C#, Bash, SQL, HTML, CSS
- **Technologies:** React, Node.js, Flask, Docker, Hadoop, Amazon Web Services, Elasticsearch, Kafka
- **Tools:** Git, SVN, Vim, Eclipse, Visual Studio, Android Studio, IntelliJ IDEA, Ansible, Terraform

Work Experience

Riot Games – Los Angeles, California   May 2016 – August 2016
Software Engineering Intern – Insights Tech

- Maintained a real-time data pipeline that indexes 3M+ messages/minute.
- Implemented a Dockerized Java service to serve as the pipeline's entrypoint. It was deployed globally and handles 10K+ requests/second.
- Created a monitoring tool for Elasticsearch, Logstash, Kafka, and Zookeeper, visualizing the performance and stability of 200+ servers and containers.

Google – Kitchener, Ontario   August 2015 – December 2015
Software Engineering Intern – Display Ads Infrastructure

- Maintained a critical C++ Display Ads binary, the coordinator service for AdSense and DoubleClick. It handles billions of requests per day.
- Improved release processes; designed and implemented a Python tool to detect configuration changes between redeployments, and consolidated over 20 automated release tasks.
- Designed and implemented a strategy for sending RPCs between two Display Ads services, aimed at improving latency and code reusability.

Coursera – Mountain View, California   January 2015 – May 2015
Data Infrastructure Engineer

- Built the frontend for Coursera's A/B testing platform in React, including experiment management tools and an analytics dashboard; scaling it up from 20 to 250 A/B experiments in 3 months.
- Developed and maintained services in Scala; such as adding by-URL allocated A/B experiments.
- Co-authored Dataduct, an open-source ETL library for Amazon Data Pipeline and Redshift, which manages all of Coursera's 110+ ETLs and 360+ tables in its data warehouse.

Desire2Learn – Kitchener, Ontario   April 2014 – August 2014
Software Developer

- Implemented and maintained new and existing features for the learning management system Brightspace.
- Collaborated with teammates to resolve over 40 performance, usability, and security issues.

Projects

2048 for Android (2048.tpcstld.me)

- A port of the 2048 puzzle game to Android.
- Earned 1,000,000+ downloads, 4.4 stars with 8000+ reviews on Google Play.

Education

Candidate for Software Engineering   September 2013 – Present
University of Waterloo, Waterloo, Ontario

- Achieved a 93.7% cumulative average.