Jerry Jiang

University of Waterloo

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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   September 2017 – December 2017
Software Engineering Intern – Accounts

- Maintained Riot's OAuth 2.0 and OpenID Connect ecosystem, with 100+ containers deployed across 4 AWS regions. It processes 300k+ authentication requests per minute, after attack traffic mitigations.

Uber – San Francisco, California   January 2017 – April 2017
Software Engineering Intern – Rider

- Polished the Android rider app by shipping features such GPS heading arrows and coloured cars.
- Built the mobile and backend components of an in-app survey tool, revamping the entire cancellation flow and giving direct insight into why riders cancel.

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.
- 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 every day.

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.
- Co-authored Dataduct, an open-source ETL library for Amazon Data Pipeline and Redshift, which managed Coursera's 110+ ETLs and 360+ tables in its data warehouse.

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

Projects

2048 for Android (2048.tpcstld.me)

- A port of the 2048 puzzle game to Android.
- Earned 2,200,000+ downloads, 4.5 stars with 11000+ reviews on Google Play.

Education

Candidate for Software Engineering   September 2013 – (April 2018)

University of Waterloo, Waterloo, Ontario

- Achieved a 92.7% cumulative average.