

LIU LU

- HIGHLIGHTS** Tech led junior engineers on user-facing Google search feature with millions DAU
Experience working in large organization with complicated tech stack and inter-team dynamics as well as in fast-paced small team without established procedures
- TECHNICAL EXPERIENCE**
- Level 4 Senior Software Engineer, Google Inc** **Jan 2017 – present**
- Tech led a team of more junior engineers in launching user-facing feature
 - Built data pipeline that process large scale search user logs
 - Maintained high standard of code and project health with TDD, multi-quarter refactoring projects, client migration, monitoring
 - Collaborated with engineers on other teams, project managers, user experience researchers, data analysts, legal
 - Worked on 5 teams across 2 orgs - experience with both large-scale, complex Search teams and agile, zero-to-one incubator team in Area120
 - Primarily work in backend C++, Flume; some experience in Java, Python, Angular Dart
- Software Engineer Intern, Jigsaw** **Apr 2015 – Sept 2015**
- Detected DoS attacks using unsupervised machine learning framework by clustering on features derived from incoming network traffic logs
 - Worked with AppEngine on Google Cloud Engine, Nginx, BigQuery
- STARTUP EXPERIENCE**
- Entrepreneur, Laurier Launchpad** **Jan 2015 – Apr 2015**
- Founded a mobile-centric trucking navigation and dispatching startup
 - Developed novel tactics to interview key customers and stakeholders
 - Integrated interview feedback into minimum viable products
- EDUCATION**
- Bachelor of Computer Science with Joint Honours in Combinatorics & Optimization, University of Waterloo** **2011–2016**
87.6 Cumulative Avg (3.9 GPA equivalent); with distinction and Dean’s Honor List
- Bachelor of Business Administration, Wilfrid Laurier University** **2011–2016**
10.9 Cumulative GPA (3.7 GPA equivalent); on the Dean’s Honor List
- PERSONAL PROJECTS**
- Github: github.com/LiuChenLu
- Functional evolutionary Boids simulating emergent behaviour, *Haskell*
 - Context-free parsing applied to English language via CYK algorithm, *Python*