

LIU LU

HIGHLIGHTS	<p>Tech led junior engineers on user-facing Google search feature with millions DAU</p> <p>Experience working in large organization with complicated tech stack and inter-team dynamics as well as in fast-paced small team without established procedures</p>
TECHNICAL EXPERIENCE	<p>Level 4 Software Engineer, Google Inc Jan 2017 – present</p> <ul style="list-style-type: none">Tech led a team of more junior engineers in launching user-facing featureBuilt data pipeline that process large scale search user logsMaintained high standard of code and project health with TDD, multi-quarter refactoring projects, client migration, monitoringNegotiated interest of competing stakeholders by balancing quality, latency/capacity, scope of changesCollaborated with engineers on other teams, project managers, user experience researchers, data analysts, legalWorked on 4 teams across 2 different verticals, both large-scale, complex Search teams and agile, zero-to-one incubator team in Area120Primarily work in backend C++, Flume; some experience in Java, Python, Angular Dart <p>Software Engineer Intern, Jigsaw Apr 2015 – Sept 2015</p> <ul style="list-style-type: none">Detected DoS attacks using unsupervised machine learning framework by clustering on features derived from incoming network traffic logsWorked with AppEngine on Google Cloud Engine, Nginx, BigQuery
STARTUP EXPERIENCE	<p>Entrepreneur, Laurier Launchpad Jan 2015 – Apr 2015</p> <ul style="list-style-type: none">Founded a mobile-centric trucking navigation and dispatching startupDeveloped novel tactics to interview key customers and stakeholdersIntegrated interview feedback into minimum viable products
EDUCATION	<p>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</p> <p>Bachelor of Business Administration, Wilfrid Laurier University 2011–2016 10.9 Cumulative GPA (3.7 GPA equivalent); on the Dean's Honor List</p>
PERSONAL PROJECTS	<p>Github: github.com/LiuChenLu</p> <ul style="list-style-type: none">Functional evolutionary Boids simulating emergent behaviour, <i>Haskell</i>Context-free parsing applied to English language via CYK algorithm, <i>Python</i>