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LIU CHEN LU

HIGHLIGHTS

Led project in analysis of network traffic using machine learning in corporate environment, leading to filing an patent with Google

Ran a start-up in mobile centric software for trucking navigation and dispatching

EDUCATION

Bachelor of Business Administration, **Wilfrid Laurier University**   **2011–2016**

3.84 GPA equivalent; Dean's Honor List

Bachelor of Computer Science, **University of Waterloo**   **2011–2016**

3.90 GPA equivalent; Dean's Honor List

TECHNICAL EXPERIENCE

Lead Software Engineer Intern, **Google Ideas**   **Apr 2015 – Sept 2015**
- Software patent for prototyping ML project: using machine learning clustering on incoming network traffic to help detect DoS attacks to independent journalists
  - Choose unsupervised learning to take advantage of unlabeled logs
  - Derived features, feature weights, and distance function from logs based on DoS SRE's expertise
  - Parallelize using recursive clustering on cluster centers
- Major contributor in production codebase
  - Re-factored and implemented logging, data aggregation, and data visualization features
  - Worked with AppEngine on Google Cloud Engine (GCE) in Python
  - Worked Nginx, BigQuery
- Primary on-boarder and mentor to more junior intern

Software Engineer Intern, **Google Inc**   **Jan 2014 – Apr 2014**
- Worked on production critical, cross team search features for Memory
- Implemented a protocol buffer sharing service between Java and C++

STARTUP EXPERIENCE

Due Diligence Student Team, **Laurier Startup Fund**   **Sept 2015 –Dec 2015**
- Successfully recommended a $50 000 investment in SeamlessMD to investment committee

Entrepreneur, **Laurier Launchpad**   **Jan 2015 – Apr 2015**
- Led a mobile-centric trucking navigation and dispatching startup
- Developed out-of-box tactics to interview key customers and stakeholders
- Integrated interview feedback into minimum viable products

PERSONAL PROJECT

Github: github.com/LiuChenLu
- Functional evolutionary Boids simulating emergent behaviour, *Haskell*
- Context free parsing applied to the English language via the CYK algorithm, *Python*