

Clement Fung

University of British Columbia
Masters of Science, Computer Science '18
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SUMMARY

- Almost 2 years of software development internship experience: proficient in Java, Go, Python.
- **Research Interests:** Distributed Systems, Machine Learning, Stream Processing, Differential Privacy, Computer Security
- Dedicated, enthusiastic learner with proven academic and internship record

PUBLICATIONS

In Submission

- Clement Fung, Jamie Koerner, Stewart Grant, Ivan Beschastnikh.
Dancing in the Dark: Private Multi-Party Machine Learning in an Untrusted Setting.
In submission to EuroSys 2018.

EDUCATION

MSc, Computer Science

2016 - present

University of British Columbia, Vancouver, BC
Supervisor: Ivan Beschastnikh.
Cumulative GPA: 88 / 100

Research Projects:

- TorMentor: A system for distributed, collaborative, anonymous machine learning
- InsuLearn: A system for distributed learning on private medical data
- DistributedClocks: A library for vector clock instrumentation of distributed systems

Graduate Courses:

- CPSC 532R - Graphical Models (Starting Jan 2018) (*Prof. Siamak Ravanbakhsh*)
- CPSC 540 - Advanced Machine Learning (*Prof. Mark Schmidt*)
- CPSC 538W - Data At Scale (*Prof. Andrew Warfield*)
- CPSC 538B - Distributed Systems (*Prof. Ivan Beschastnikh*)
- CPSC 536F - Algorithmic Game Theory (*Prof. Hu Fu*)
- CPSC 340 - Machine Learning (*Prof. Mark Schmidt*)

BASc, Honours, Systems Design Engineering

2011 - 2016

University of Waterloo, Waterloo, ON
Cumulative GPA: 88 / 100

Achievements:

- Sanford Fleming Award for Co-operative Proficiency - *Achievement in Co-op and Academics*
- Graduated with Dean's Honour's Distinction - *4x Dean's List*

- Dean's Honour's List, Winter 2016
- Dean's Honour's List, Winter 2013 - *Ranked 2nd / 81 students*
- Dean's Honour's List, Spring 2012 - *Ranked 2nd / 85 students*
- Dean's Honour's List, Fall 2011 - *Ranked 3rd / 94 students*

Awards:

- W.W. King Exchange Fellowship, Winter 2015 - \$500
- President's International Experience Award, Winter 2014 - \$1500
- Stanford Fleming Award, Fall 2013, Outstanding Written Communication in Work Term Report - \$300
- Colonel Hugh Heasley Engineering Scholarship, Fall 2011 - \$10000
- University of Waterloo President's Scholarship of Distinction, Fall 2011 - \$2000

Research Projects:

- Driven: A system for automatic annotation and sentiment analysis of lane changes based on dashcam videos
- Fridgemate: A mobile app and system for annotation of food and grocery items in personal refrigerators

Coursera Online

2014 - present

- Machine Learning - *Stanford University*
- Mining Massive Datasets - *Stanford University*
- Game Theory II: Advanced Applications - *Stanford University and University of British Columbia*
- Chinese For Beginners I and II - *Peking University*

TEACHING EXPERIENCE

Teaching Assistant

Sept 2016 - present

University of British Columbia

- CPSC 210: Software Construction (Fall 2016)
- CPSC 210: Software Construction (Winter 2017)
- CPSC 340: Machine Learning (Fall 2017)
- CPSC 340: Machine Learning (Winter 2018)

PROFESSIONAL EXPERIENCE

Software Engineering Intern

June - August 2015

LinkedIn Corporation, Sunnyvale, CA, USA

- Analytics Team: Online Relevance Infrastructure

Software Engineering Intern

September 2014 - December 2014

LinkedIn Corporation, Mountain View, CA, USA

- Distributed Data Systems: Project Voldemort

Software Engineering Intern

January 2014 - April 2014

Voicebox Technologies, Bellevue, WA, USA

- Server and Tools team

Software Developer

May 2013 - August 2013

Ontario Institute for Cancer Research, Toronto, ON

- Software developer in Paul Boutros' bioinformatics research group

Software Developer

September 2012 - December 2012

pVelocity, Toronto, ON