Chengzhi (Vincent) Li

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EDUCATION

Cornell University, College of Engineering, Ithaca, NY
Master of Engineering in Financial Engineering **Expected December 2019**

- **Selected Coursework***:* Stochastic Calculus, Derivatives Securities, Monte Carlo Simulation, Statistical Data Mining

University of British Columbia, Vancouver, BC
Bachelor of Commerce in Combined Major in Business and Computer Science Co-op, **Honors** **May 2018**

- **GPA:** 84.3/100 (3.65), Dean's Honor Roll for 3 years, International Student Scholarship, Trek Excellence Scholarship
- **Selected Coursework***:* Computation, Programs and Programming, Differential Calculus, Models of Computation, Integral Calculus, Accounting, Finance, Microeconomics, Macroeconomics, Linear Algebra, Intermediate Algorithm Design and Analysis, Differential Equations, Machine Learning and Data Mining, Advanced Database

SKILLS

Technical: JavaScript, MATLAB, Java, Python, R, VBA, C++, C, SQL, HTML & CSS, Shell Script, Julia, AMPL

EXPERIENCE

Agile Developer Intern*, SAP Canada,* Vancouver, BC **Fall 2015 – Summer 2016**

- Developed Jenkins jobs using APIs from SAP HANA Cloud Platform, SAP Jira, and Mozilla database to automate manual operations, increasing efficiency by 400% and reducing error rate by 99%
- Implemented endpoints on server side of cloud-based analytical application used by over 1,000 customers
- Built RESTful APIs for Java Service to manage client requests and send them to cloud application instances
- Troubleshot hundreds of customers' problems by debugging and collaborating with teams including development, sales and product management teams and more than 80 people in a fast-paced environment
- Did end-to-end testing for SAP TechEd Barcelona and found more than 30 bugs within 2 weeks and fixed one of them during my first two weeks at the workplace

PROJECTS

Background Subtraction of Videos (team of 3), *University of British Columbia*, Vancouver, BC **Fall 2017**

- Designed latent factor model Robust Principal Component Analysis (PCA) to conduct video edits
- Implemented L1-norm using "multi-quadric" approximation in Robust PCA model
- Utilized Julia and machine learning techniques in order to separate objects from their background

Insight UBC (team of 2), *University of British Columbia*, Vancouver, BC **Fall 2016**

- Created website using extensive JavaScript with user-friendly UI to allow users to analyze data by importing datasets containing UBC courses and querying information from the data
- Invented scheduler that assigns classes to rooms based on capacity and class size (used JavaScript, Typescript, jQuery, Node.js)

SAP Charity Hackathon (team of 4), *SAP Canada*, Vancouver, BC **Spring 2016**

- Developed automation tool for Vancouver charity using VBA, collaborating with sales, product management, and development teams and increasing work efficiency by 50%
- Presented project and demoed in front of the charity, judges, and other Hackathon teams

Resource Management Project (team of 2), *University of British Columbia*, Vancouver, BC **Spring 2015**

- Implemented C program using multithreading, monitors (mutexes), and conditional variables; optimized thread scheduling
- Ensured no deadlock as well as fairness for multiple threads entering the critical section by using conditional variables

LEADERSHIP, LANGUAGES AND INTERESTS

Leadership and Activities:	Group Leader at the Electronic Arts - Computer Science Digital Media Job Expo at the University of British Columbia
Languages:	Mandarin: Native, English: Proficient
Interests:	Tennis (over 10 years); table tennis; hiking; cooking; fitness and nutrition; calligraphy