

# Chengzhi (Vincent) Li

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## Education Background

**Sauder School of Business, University of British Columbia, Vancouver, BC** **09/2013-Present**

- Specialization: Combined Major in Business and Computer Science (Co-op)
- Degree: Bachelor of Commerce (Expected in 06/2018)
- Awards: Trek Excellence Scholarship for Continuing Students (2016W & 2017W, for students with top 5% grades in an academic year), Sauder School of Business International Student Scholarship (2017W); Dean's Honour Roll (2014W & 2016W)
- Programming Languages: Java, JavaScript, TypeScript, Matlab, Julia, Python, C++(basic), C(basic), Shell Script, HTML&CSS, SQL

## Work Experiences

**Agile Developer Intern at SAP Canada, Vancouver, BC** **09/2015-08/2016**

*Skilled in Python, Git and Gerrit, Shell Scripting, JavaScript, Java, SAP HANA, Jenkins, Jira, Scrum*

- Developed Jenkins jobs using APIs from SAP HANA Cloud Platform, SAP Jira and a Mozilla bug database to automate manual operations tasks
- Built RESTful APIs to a Java Service to deal with client requests, then sent requests to the cloud application instances
- Implemented endpoints on the server side of the cloud application using SAP's server-side Javascript
- Troubleshoot customers' cloud application problems by debugging and collaborating with corresponding development team through outstanding oral and written communications

## Academic Projects

**Background Subtraction of Videos** **10/2017**

*Skilled in Julia, Machine Learning Techniques*

- Removed cars from highway in a video by using a latent-factor model Robust PCA
- Constructed the Robust PCA model by implementing a L1-norm using a "multi-quadric" approximation

**Insight UBC** **12/2016**

*Skilled in JavaScript, Typescript, jQuery, Node.js*

- Implemented a website using JavaScript and Typescript that to users to import datasets containing UBC courses and query information over these data
- Collaborated with a partner to design and implement REST backend by using JavaScript libraries including parse5 and jszip
- Designed a room scheduler that assigns classes to classrooms that matches room capacity and class size

**Resource Management Project: Unisex Washroom Problem** **03/2015**

*Skilled in C, Multithreaded programming*

- Implemented a C program using multithreading, monitors (mutexes) and conditional variables and optimized thread scheduling
- Dealt with a race condition between an awoken thread and a new thread when both threads tried to enter the critical section
- Ensured no deadlock as well as the fairness for multiple threads entering the critical section with a reasonable waiting time by using conditional variables
- Tested and debugged using the debugger in Xcode

## Interests

Table tennis (6 years), tennis (7 years), working out (2 years), cooking and reading technology news