

# CHENLIN CAO

112 ST NW, AB T6G 2C5 | (587)937-4780 | [chenlin@ualberta.ca](mailto:chenlin@ualberta.ca)

## EDUCATION

**Bachelor of Science, Computing Science**

Sep. 2015 – Now

University of Alberta, Edmonton AB

- Previous academic year GPA (Fall, Winter, Spring & Summer): 3.3/4.0

## WORK EXPERIENCE

**Jr. System Analyst**

May. 2019 – Now

**Office of the Registrar, University of Alberta**

- Designed, developed and maintained several web applications with Spring MVC framework using Java at back end and HTML, CSS and JavaScript at front end
- Followed industry standard programming principles, including Inversion of Control (IoC) and Dependency Injection (DI)
- Translated business requirements into specific design blueprints and estimated work schedule
- Used JIRA ticket system as project management tool to assigns tasks to individual developers and communicate with business departments
- Used Git for feature development, bug fixes and version control
- Used several different database management systems for data storage and management, including Oracle and MySQL
- Used Jenkins as the automation tool to deploy web applications to different environments (DEV, UAT and PROD)
- Provided technical support for operational issues including networking issues and vendor application issues

## PROJECT EXPERIENCE

**Software Developer**

- Developed an Android app that helps doctors track the health conditions of assigned patients and provide them with real-time feedback
- Analyzed and translated user requirements into functional and specific design qualifications
- Designed and executed reliable and efficient Java programs using Object-Oriented Programming (OOP) principles and OOP design patterns
- Used Elasticsearch as search engines to store data, synchronize data and speed up searching operations

### **System Developer**

#### Flight Booking Simulation System

- Developed a small-scale VBA application that simulates a flight booking system used for profit estimation

### **System Developer**

#### Mini Online Shopping System

- Developed a virtual online shopping system where items can be searched by keywords, added to shopping carts, purchased and shipped
- Used SQL to store merchandise information and customer information
- Used Python3 to handle user actions and update databases system

## **VOLUNTEER EXPERIENCE**

### **Promotional Strategist**

Sep. 2019 - Now

iGeek, University of Alberta

- Wrote articles to publish on various social media platforms (WeChat, Facebook and LinkedIn) to promote club events and STEM-related school events

### **Camp Volunteer**

Sep. 2019 – Apr. 2020

DiscoverE, University of Alberta

- Assisted camp teachers in building learning games on Kahoot to bring entertainment into education and improve student involvement
- Assisted campers (students in Grade 7 - 9) in building interactive projects using Arduino boards and C++ programming

### **External Committee Member**

Mar. 2019 – Apr. 2020

SVCC, University of Alberta

- Maintained SVCC's social media accounts (Gmail, Facebook and Instagram) and keep them up to date to make an effective social presence
- Photographed for SVCC's language sessions and social events to showcase the club

### **Science Mentor**

Faculty of Science, University of Alberta

Sep. 2019 – Apr. 2020

- Provided academic and life support for first-year Science students to help them make a smooth transition from high schools