

Jinyi Chen

London, Canada

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Skills

Programming	C, C++, C#, Python, MATLAB, JavaScript, HTML, CSS
DevOps	AWS, Heroku, Docker, Jenkins CI/CD, Bash scripting
Databases	MySQL, PostgreSQL, Oracle SQL
Framework	ASP.NET Core, Ruby on Rails, Bottle, Flask
Tools	GIT, Postman, Cucumber, Selenium, Visual Studio

Education

Western University

MASTER OF ENGINEERING IN SOFTWARE ENGINEERING

London, Canada

Sep 2021 - Aug 2022

University of Toronto

BACHELOR OF APPLIED SCIENCE IN COMPUTER ENGINEERING

CERTIFICATE IN ENGINEERING BUSINESS

Toronto, Canada

Sep 2014 - Jun 2019

Experience

Cox Automotive

SOFTWARE ENGINEER

Mississauga, Canada

Oct 2019 - Aug 2021

- Assisted in architecture microservice design of a new fraud detection **REST API** deployed in **AWS**, and primarily developed it using **C#, ASP.NET Core, MySQL**. 2 clients already signed for the product in the first phase.
- Assisted in the **load test, performance tuning** of the Fraud Detection API, improved average time of every application to below 3s from 30s.
- Built up a **desktop-based application** for administers to create, read, update, and delete the data from the Fraud Detection API spontaneously.
- Upgraded the current system for Lender Nissan, BMW, and TD in **C#, Oracle SQL**, including dealer report, digital contracting, and so on.
- Came up with 2 **automation solutions** for the present flow, saving 4 hours every week.
- Applied **Scrum Agile Methodology** in the work, and documented every project for reference.
- Wrote **unit tests** for every feature for further **regression testing**.

Baidu

SOFTWARE DEVELOPMENT TEST ENGINEER

Beijing, China

Mar 2018 - Aug 2018

- Partnered with product teams of the advertisement department to conduct the testing of 15+ web-based projects with **0 product issues**.
- Offered leadership to 8 incoming interns, acted as a mentor while providing knowledge transfer and managing the project life-cycle.
- Administered **automatic regression testing** on integration testing platforms, utilized **Shell** and **SQL** to verify data.
- Documented **test case** lists for developers to test, ensured over 95% accuracy before releasing to pre-product environment and 100% accuracy before releasing to product environment according to market requirement documentation.

Continental

SOFTWARE ENGINEER

Beijing, China

Nov 2017 - Jan 2018

- Designed and developed the fire monitor system which spearheaded early warning detection of fire events using **C#**.
- Enabled end-users to define custom bitmap palette by developing a tool for users to customize and apply images to the fire event.
- Launched customizable PTZ control and visualization functions for end users by constructing a mouse and keyboard hook.

Projects

Big Data Housing Price Analysis (<https://github.com/JinyiChenUofT/Capstone-Housing-Price>)

Supervisor: Ashvin Goel

UNIVERSITY OF TORONTO

- Collected and aggregated data for 20 factors in 30 cities.
- Trained and tested the Random Forest Tree model, and then produced feature importance graphs to rank factors.
- Created a website to display the predicted result using **Python + Flask**.

Lending Website(<https://github.com/JinyiChenUofT/HamsterNest-WebApp>)

UNIVERSITY OF TORONTO

- Created a responsive web-based application with user and admin interface for deployment on **Heroku**.
- Stored data in the **PostgreSQL** database, images in **Amazon S3**.
- Used **Bootstrap** for user-story design and intuitive graphical user interfaces.
- Accomplished behavior driven development testing using **Cucumber**.
- Incorporated user, item, category, borrow request, rating, and comment controllers.