

# JINHUI SHEN

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## ⚙️ SKILLS

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- Programming Languages: Java Spring, C++, SQL
- Architectures: OOP, CQRS, Event Sourcing, RESTful API, CRUD, Microservices
- Others: Linux, IntelliJ, Git, Postman, Docker, JPA, Hibernate

## 👤 EXPERIENCES

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### Software Engineer

Jan. 2019 - Apr. 2019

*Autonomic - Transportation as a Service Team*

Toronto, Canada

Used Java to deploy Spring microservices to Kubernetes on AWS

- Deployed several microservices with CQRS design and Event Sourcing
- Wrote Java Spring code to interact with messages from live vehicle data via Kafka streams
- Experienced with Extreme Programming and Pair Programming

### Associate Programmer Analyst

Jan. 2018 - Apr. 2018

*Scotiabank - Risk Management Information Technology Team*

Toronto, Canada

Used Python and Java to support internal regulatory reporting system

- Automated the process of fetching reports using Java
- Regulatory project management using JIRA and Leankit

### Software Developer Intern

May 2017 - Aug. 2017

*Chinese Academy of Sciences - Institute of Computing Technology*

Beijing, China

Used Java to optimize the algorithm for Glycan Structure Identification Software (GIPS)

- Rewrote and optimized the core data structure and algorithm for the software
- Reduced time consumption to 0.002%, from 117.87s to 0.0029s
- Reduced memory consumption to 2.048%. from 1763 Mb to 36.1 Mb

## ★ PROJECTS

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### Hotel Management

Sept. 2019 - Present

*Individual Project*

A Restful CRUD application using Java Spring and MySQL that manages room information for a hotel

- Implemented basic create, read, update, delete features that can be accessed through Postman
- Database is built with MySQL, JPA and Hibernate

### Quadris

Nov. 2017 - Dec. 2017

*Course Project*

Implemented object-oriented command-line Tetris game with 5 difficulty levels with C++

- Utilized Subject Observer design pattern and Visitor design pattern
- Implemented visualization through XWindows

## 🎓 EDUCATION

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### University of Waterloo

Sept. 2016 – Present

Candidate for Bachelor of Computer Science (Software Engineering Option)

### Wilfrid Laurier University

Sept. 2016 – Present

Candidate for Bachelor of Business Administration (Marketing Concentration)