

Louis Zhuo

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EDUCATION

Simon Fraser University — *BSc. Computer Science (GPA: 3.3)*

September 2013 - April 2019

- Dean's Honour Roll

PROJECTS

Jobs n' Stuff — *Job Search and Post Web Application (React/GraphQL)*

A responsive SPA for employers to publish job openings and seekers to apply with their uploaded documents.

- Implemented responsive React components using React-Bootstrap
- Back-end implemented using GraphQL - Yoga to support accurate querying of PostgreSQL database
- Developed intuitive login and registration with email validation
- Wrote custom Chef recipe to configure VM for easy deployment

Deny & Conquer — *Fault Tolerant Multiplayer Scribble Game (Java)*

A highly interactive client-server game in which the goal is to color more area than the opponents.

- Designed dynamic host resolution algorithm to ensure game session continues even if the original server crashes
- Integrated multithreading on the server-side to handle TCP communication from multiple clients concurrently
- Used command pattern to process player actions

WORK AND LEADERSHIP

London Drugs — *Team Leader, Stock Person & Cashier*

June 2014 - December 2018

- Used company technologies resourcefully to solve customer concerns
- Devised and prioritized work plan for team members taking into account present challenges and individual ability
- Mentored 6 team members on efficient workflow resulted in 15% faster task completion time
- Received outstanding assessments from store and assistant manager

LANGUAGES & TOOLS (PROFICIENT)

Java, JavaScript ES6, HTML, CSS, SQL

Git, Github, Eclipse, Linux Shell, VirtualBox

LANGUAGES & TOOLS (FAMILIAR)

C++11/C++14

React, Bootstrap, Node, Express, PostgreSQL, GraphQL, CLion, CMake, Google Test, Google Mock, JUnit, REST

RELEVANT COURSES

Data Structures & Algorithms,
Software Development Methods,
Web-based Information Systems ,
Database Systems I & II,
Data Communication & Networking,
Operating Systems I,
Distributed Systems,
User Interface Design (UX)