

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 single-page application for employers to publish job openings and seekers to apply with their uploaded documents.

- Designed responsive layout and components using React-Bootstrap
- Created functionalities to customize profile and manage/upload documents
- Developed intuitive JWT-based login and registration with email validation
- Back-end implemented using GraphQL - Yoga to support accurate querying of PostgreSQL database
- Refactored code to use HOC and Render Props to maintain reusability

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 store and process player actions
- Ensure team met proposed deadlines by setting up GitHub milestones
- Collaborated weekly with team members to discuss project architecture

WORK AND LEADERSHIP

London Drugs — Team Leader, Stock Person & Cashier

June 2014 - December 2018

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

LANGUAGES & TOOLS (PROFICIENT)

Java, JavaScript ES6, React,
HTML, CSS, SQL

Git, Github, Eclipse, Linux
Shell, VirtualBox

LANGUAGES & TOOLS (FAMILIAR)

C++11/C++14

Bootstrap, Node, Express,
PostgreSQL, GraphQL,
Axios, Postman, 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)