

Daniel Lee

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EDUCATION

SIMON FRASER UNIVERSITY

BASc IN COMPUTER SCIENCE

Expected Sep 2020 | Vancouver, BC
Canada

LINKS

Github:// [danlee0528](#)

LinkedIn:// [danlee0528](#)

SKILLS

PROGRAMMING

- Bash/Shell
- Node.js, AJAX, JQuery, React
- MySQL, MongoDB, NRQL

TOOLS

- Git
- Atlassian
- SumoLogic
- New Relic
- Ansible

ENVIRONMENT

- Windows
- Linux/Ubuntu
- Android
- MacOS
- Agile/Scrum
- Kanban

INTERESTS

- Application Development
- Robotics / Automation
- Machine Learning
- Data Analysis
- Full-stack Web Development

HOBBIES

- Playing sports
- Photography
- Music composition
- Playing musical instruments

EXPERIENCE

CANADIAN TIRE CORPORATION | DEVOPS SUPPORT ANALYST

Sep 2018 – Apr 2019 | Calgary, AB Canada

- Developed a breaching alert to automate team license monitoring process which rectified frequent occurrences of unwanted overages
- Assisted developers testing automation scripts and conducted user acceptance testing before deploying them into the product environment
- Wrote regex queries, which looked for specific search patterns from raw data, to draw insights of the business performance and various internal applications

ACADEMIC PROJECTS

AI TIC-TAC-TOE | PYTHON3

- Developed an AI system that makes all its moves against a human player by adopting pure Monte Carlo Tree Search
- Utilized data structures such as dictionaries and arrays for the design of playouts in which the computer simulates games itself to decide the next move

AIRLINE DATABASE SYSTEM | JAVA

- Built a database on MS SQL using given schemas, triggers, constraints to ensure accuracy and robustness of the database system
- Utilized JDBC, a java API to connect and execute the query with the database, alongside Java Swing to provide a user interface for easier use of the database system

BOUNDED-BUFFER PROBLEM | C

- Executed POSIX threads to create producer threads that inserts elements into a shared resource and consumers threads which remove elements from the shared resource
- Applied semaphore and mutex to avoid deadlocks

CARBON EMISSION TRACKER | JAVA

<https://csil-git1.cs.surrey.sfu.ca/276-17-1-Honeydew/carbon-tracker>

- Applied Singleton method to improve data manipulation across multiple activities
- Implemented JUnit test cases to validate functions before use
- Collaborated with three teammates and achieved the highest peer-review point at each sprint

PERSONAL PROJECTS

PERSONAL WEBSITE | HTML5, CSS3, JAVASCRIPT

- Developed a static responsive website using Bootstrap4

NUMBER BASEBALL GUESSING GAME | C++

- Developed a Maternmind game with a twist of baseball game rules where conditions to users' guesses are given in form of strike, ball and out.