

# ZHELONG CHEN

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## SKILLS

**Programming Language:** C, Python, Java, HTML, CSS, JavaScript, R, MATLAB, Shell Script

**Software Tools:** Atlassian, Confluence, AWS, Jira, IBM Rational, Bitbucket, Git, Jenkins, Tripwire, ADB

**Operating System:** Linux, Unix, Windows, Android

**Other Skills/Tools:** SAFe Agile Development Life Cycle, Junit, Ant, Make, MS Office

## EXPERIENCE

### RESEARCH ASSISTANT DEVELOPER, UNIVERSITY OF GUELPH (JAN 2020 – APR 2020)

- Worked under Dr. Tongzhe Li on a project focused on Income Dynamics
- Utilized object-oriented programming to create cost-share algorithms using Python
- Designed, implemented, and maintained a set of web APIs Python, Otree and Heroku
- Administered data collection and digitalization on behavioral studies

### SOFTWARE TEST DEVELOPER, ROADMUNK (SEPT 2020 – DEC 2020)

- Worked with engineer team to create web app features using React/CSS/HTML
- Used Session Based Testing to timebox exploratory end-to-end testing
- Identified at risk areas for quality during releases in development and production
- Continuously implemented and improved the testing process and automated test

### SYSTEM INTEGRATION TEST, CONTINENTAL (MAY 2019 – AUG 2019)

- Conducted automation tests in Python for infotainment system with ADB
- Conducted manual tests for baseline release versions with ADB and labVIEW
- Help support integration using Jenkins in SAFe Agile environment

### CHANGE MANAGEMENT COORDINATOR, CI INVESTMENT (MAY 2020 – AUG 2020)

- Approved Jira request tickets for AWS and DevOps related changes using IBM Rational
- Ensured programming standards and procedures with respect to RM&CM

## PROJECTS

### IMDB DATABASE QUERY

- Constructed b+ tree data structure for searching Movies with associated actor/actress and vice versa from IMDb by C programming language

### CYCLING WORLD WEBSITE

- Created multiple pages of websites as bike encyclopedia for users including image/video/gif grep using html, css and JavaScript

## EDUCATION

### B. COMP, HONORS IN COMPUTER SCIENCE, UNIVERSITY OF GUELPH

- Minor in Statistics
- Dean's Honor list