# JEREMY QIAN

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[Personal Webpage](#)

## TECHNICAL QUALIFICATIONS

- Skilled with Python (Django and Flask) and NodeJS for API development
- Skilled with ReactJS for web application development
- Skilled with C and C++ for real-time embedded systems development
- Experienced with data structures, algorithms and object-oriented design
- Experienced developing complex multi-threaded systems
- Experienced win building CI/CD pipelines using Bitbucket, Jenkins and Artifactory
- Good Knowledge of GraphQL and Python machine learning tools

## WORK EXPERIENCE

**Wave Accounting**                                              August 2020 - Present
*Software Engineer*

- Developed and maintained the ReactJS-based single page application for accounting
- Developed and maintained the Django-based accounting microservice
- Developed and maintained a third party API service using GraphQL
- Worked closely with the data team on machine learning models for transaction auto-categorization

**Thales Canada**                                            August 2019 - August 2020
*Software Analyst & Developer*

- Responsible for developing the Vehicle OnBoard Control (VOBC) software for urban railways
- Developed and deployed a continuous integration pipeline for the NY VOBC project
- Developed integration and unit testing procedures for 100% requirement and code coverage
- Developed static code analysis tools to aid in safety and compliance efforts

**Siemens Canada**                                            April 2016 - August 2019
*Linux Software Developer*

- Responsible for architecture, development, and deployment of Siemens CloudConnect (IoT Gateway)
- Responsible for maintaining and developing a custom Linux distro (kernel and userspace)
- Developed cellular (*libqmi*), IP routing (*Quagga*), and virtualization (*KVM*) features
- Designed data models and schema using XML and JSON for user-configuration databases

## PERSONAL PROJECTS [(MORE EXAMPLES)](#)

**Offensive Hearts**                                     [Github](#) ⋄ [Deployed Site](#)

- NodeJS and SocketIO based multi-player memory game; deployed on Amazon EC2 Instance

**Reversi!**                                             [Github](#) ⋄ [Deployed Site](#)

- Multiplayer reversi - made as a ReactJS Web app with a Django back-end
- Utilizes multiple server instances and database sharding for scaling

## EDUCATION

**McMaster University**                                                     2012-2016
Bachelors of Software Engineering                            *Graduated on the Dean's List*