Keyan Wang

10 Chichester Place, Toronto, ON M1T 1G5
Tel. (416) 823-9726, E-mail: keyan.wang@outlook.com
LinkedIn: https://www.linkedin.com/in/keyanwang
Webpage: https://www.individual.utoronto.ca/keyanwang
GitHub: https://github.com/gitkeyan

EDUCATION

Honors Bachelor of Science, University of Toronto. September 2013 – June 2018

- Specialist Program in Computer Science
- Relevant Courses: System Programming, Operating Systems, Theory of Computation, Data Structures and Analysis, Algorithms, Databases, Interactive Design, Principles of Programming Languages, Artificial Intelligence, Web Programming, Software Testing

TECHENICAL SKILLS

- **Programming Languages**: JavaScript, Python, Java, C, C++
- **Web/Server**: HTML, CSS, NodeJS, Express, jQuery
- **Database**: MongoDB, SQL
- **Version Control Systems**: Git, Subversion
- **Operating Systems**: Windows, macOS, Linux

EXPERIENCE

Implementation/QA Engineer at pVelocity Inc May 2016 – May 2017

- Worked with MongoDB, SQL and implemented new product features using JavaScript
- Built programs for analyzing application performance problems
- Wrote scripts for application installation, deployment, configuration and migration
- Designed test plans and developed test cases for automated testing

WeLovePets Winter 2018

- Led a team of 4 students to develop a pet forum where people can sign up, login, post and comment about lost pets, adopting pets and pet stories
- Used HTML, CSS and jQuery for the front-end and firebase for the back-end

Raytracer Winter 2018

- Implemented a ray-tracer using C++ and rendered a table tennis match scene using ray casting and global illumination, with features including depth of field, soft shadow, hard shadow, motion blur, texture mapping and anti-aliasing

Parser400 Fall 2018

- Built a language parser in python that creates abstract syntax tree out of imperative C code, produces the functional language translation and generates a simplified version of it

Virtual Memory and Paging Summer 2017

- Implemented a program that handles virtual-to-physical memory address translation and demands paging using a two-level page table in C
- Wrote 4 different page replacement algorithms: FIFO, Clock, LRU and OPT

Kernel101 Winter 2016

- Wrote and installed kernel modules to the Linux kernel and intercepted system calls

EasyRoom Fall 2014

- Developed an Android application for hospital room management using Eclipse
- Implemented multiple user roles with different access and permissions

INTERESTS

- Cooking, Guitar, Badminton, Table Tennis, reading, solving puzzles