

XIAOTIAN (ALEX) LI

Phone: 778-682-0522

Full-time Web/Software Developer

Email: alexli@uvic.ca

Address: 1006-7225 Acorn Ave, Burnaby, BC

Website: <http://www.smilesky.ca/>

SKILLS

Proficient and built various projects in **Java • Python • JavaScript**

Fluent in **C • C++ • Bash script • PHP • Git**

Cloud computing: **AWS • Heroku**

Database: **PostgreSQL • MySQL • SQLite**

Web: **HTML • JavaScript • CSS • Node.js • React • Bootstrap • Django**

Testing: **JUnit • Selenium**

A passionate and thriving software developer with more than 3 years' experience on objective oriented programming and web development.

WORK EXPERIENCE

Web Developer Coop | Environment Canada Victoria, BC Jan - Apr 2016

- Migrated internal documentation wiki to a new server, rewrote and debugged **Python** and **C** code.
- Designed and implemented single page application for interacting with scientific database primarily with **JavaScript (jQuery, React), AJAX, Python** and **SQL**.
- Did functional testing and non-functional testing while developing web application.
- Performed day-to-day managed and maintenance on **SQL** database.

QA Intern | Inspur Worldwide Services Limited Jinan, China Aug - Sep 2013

- Reviewed **Java** code with eclipse as a team member.
- Tested the software and increased software quality using **JUnit**.

PROJECTS

Web Interface for Scientific Database Victoria, BC Jan - Apr 2016

- Built a high performance single page application on wiki page for querying, storing, updating scientific database independently.
- Used **AJAX** technology for communication between front-end and back-end.
- Queried, stored and manipulated scientific data in the most run-time and memory efficient manner using **Python**.
- Optimized database performance by indexing, schema design, and virtual table.

Video On Demand Streaming Victoria, BC Jun - Jul 2015

- Implemented a video streaming services that can stream on demand through a modern web browser.
- Worked with a teammate to utilize a website with **Bootstrap** and developed uploading method with **Node.js**
- Wrote testing scripts to make project function well.

BestBuy Price Alert Victoria, BC Jun - Jul 2015

- Developed an automatic manager for BestBuy buyers with BestBuy API using **Django** framework and strengthened an understanding on self-adaptive system.
- Mainly responsible for developing a restful API and displaying price change on front-end with **Angular**, demonstrated front-end skills to make website dynamically.

Web Crawler for Air Tickets Victoria, BC Oct - Nov 2015

- Implemented an automatic web crawler for air tickets with **Selenium** and **Python**.
- Stored the data to the local **Sqlite3** database and notify the customers with the best price.

EDUCATION

UNIVERSITY OF VICTORIA Victoria, BC GPA: 6/9 2012 - 2016

Bachelor of Science: Computer Science, Computer Communication & Networks

Courses include: Software Develop Methods, Computer Graphics, Operating System, Data Structure, Database, Computer Networks, P2P Network, and Self-Adaptive Systems.