

LUAN Guoyang

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in Guoyang Luan

3rd year Bachelor of Computer Science

KEY SKILLS

Programming:	Java, C++	Tools/Environment:	Git, Qt, UML
Testing:	JUnit, Chai Assertion	WEB/WEB Library:	JavaScript, TypeScript, React

TECHNICAL PROJECTS

Personal Project: Personal Library System

Sept 2018 – Feb 2019

- Based on complete GUI (Java Swing). Able to parse exclusive XML database and write cache back to disk
- Introduced E-mail notification module by exploiting JavaMail API and date management module
- Comprehensive functionality (borrow/return/reserve/management) of real library system

Academic Project: InsightUBC

Jan 2019 - Mar 2019

- A Query Engine on all UBC courses information, allow users to search result given the search restriction
- Fully TDD design and robust implementation; Web-side UI fully wired up, Server side under RESTful design

Personal Project: AI embedded Chinese Chess

Feb 2019 – Apr 2019

- Robustly designed C++ game following rigorous OOD principles, under Qt Framework
- Support for Man-Machine, Man-Man mode and rewind button
- Enable arbitrary n-depth AI with MinMax and Alpha-beta pruning algorithm encapsulated in Man vs Machine mode

Group Project: Way2Recycle

May 2019 – Present

- A Full stack WEB project allow users to sign up, post items and make transactions on second-hand goods
- React-Redux as front-end, Meteor as back-end and fully exploit Meteor MongoDB as database
- Allow search, filter, like as well as other features. Google Map Module embedded to enhance location selection.

EXTRACURRICULAR ACTIVITIES

nwHacks 2019

Vancouver, BC, Canada

Project name: Waste Detection and Classification

Jan 2019

- Successfully built a mini full stack Facebook Instant Game on HTML5 platform aimed at trash detection and classification.
- Took advantage of Microsoft Azure's Cognitive Services - Custom Vision API as backend model trainer.

BSC Hackathon 2019: 2nd Place Award

Vancouver, BC, Canada

Project name: Van-Ezy

Mar 2019

- Successfully built a web application to characterize smart city enhancement
- Enabled users to submit images to the server backed by JAVA Spring Boot to report an incident followed by primary classification of incident kind by using pre-trained Microsoft West Central US CV library
- Included third-party services and APIs as utilities

ADDITIONAL WORK EXPERIENCE

Western Securities Co.,Ltd

Beijing, China

Analyst, Investment Banking Department

Sept 2016 - Aug 2018

- Successfully wrote STATA script that transforms raw data of interest rate market into deliverable
- Successfully participated in 3 bond issuing projects
- Drafted pitchbooks for more than 45 potential clients with customer conversion rate approximately 20%
- Commended for the ability to maintain clients' focus while meeting tight deadlines

EDUCATION

University of British Columbia

Vancouver, BC, Canada

Bachelor Degree of Computer Science, BCS

Sept 2018 - Present

Peking University

Beijing, China

Master of Taxation

Sept 2014 - Jul 2016

Beijing Normal University

Beijing, China

Bachelor of Economics

Sept 2010 - Jul 2014

Meritorious Winner of U.S. Interdisciplinary Contest In Modeling (2014)