

Yufei Liu

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Education

McGill University, Montreal, Quebec

Sept 2013 --- June 2019 (Expected)

Bachelor of Engineering

Major in Electrical Engineering, minor in Software Engineering. (Last year GPA 3.7/4.0)

Skills

Languages: Java, C; PHP, Groovy, Bash, SQL; HTML, CSS, JavaScript

Tools: IntelliJ, Maven, Gradle, Ansible, Jenkins 2, Git, MySQL, GlassFish, JBoss, Tableau

OS & Framework: Windows, Mac, Linux (Ubuntu, SUSE); REST(Jersey), EJB, Hibernate, Angular 6

Experiences

Full Stack Developer Co-op, Ericsson R&D, Montreal

Parameter Database Team

Jan 2018 – June 2018

- Java Backend development of a Web Application that is internally used by Ericsson worldwide.
- Fixed bugs and developed backend features from support tickets.
- Developed REST endpoint to replace old SOAP service layer in Jersey framework.
- Upgraded codebase from Java 7 to Java 8.
- Migrated the application server from GlassFish to JBoss.
- Developed a new GUI and web interface in Angular 6, and combined the REST API with it.

Test Automation & Continuous Integration Team

Sept 2017 – Jan 2018

- Developed automation and integration tools by using Java, Bash, Ansible and Gradle.
- By using Jenkins 2 declarative pipeline, developed Jenkins pipeline in Groovy to automate and integrate build, test, deploy and upgrade process on Ericsson Cloud Execution Environment.
- Working with multiple development teams to improve maturity level of the Continuous Delivery.

Software QA Internship, Micro Focus, Montreal

May 2017 – Sept 2017

- Followed Scrum methodology: daily stand-up meeting, active sprints and sprint demo.
- Executed test cases and built test environments by using difference tools (vSphere, MySQL, JIRA, Bugzilla).
- Tracked and reported quality assurance activities for projects in an iterative software release process.

Research Assistant, Shared Reality Lab, McGill

Oct 2016 – Feb 2017

- Created water puddle dynamic effect simulation by using Unity Engine and C#.
- Implemented the simulation on IOS and Android platforms by accessing multiples sensors in mobile phone.

Projects

Personal Website: kevenliu.me

TA Application Management System (JAVA / Front End / Android)

Jan 2017 – May 2017

- Modeled the system in JAVA and PHP by using Umple UML modeling tool.
- Developed the system on three platforms: Desktop (15,000 lines), Web (12,000) and Android (8,500).
- Performed Unit Testing by using JUnit and PHPUnit framework.

Enigma Electronic Encryption System (FPGA Development)

Jan 2016 – May 2016

- Developed an encryption system and test benches by using Altera Quartus II (VHDL) and ModelSim.

Lego MindStrom Robot Development (JAVA)

Sep 2015 – Dec 2015

- Designed and assembled a Lego EV3 robot with rotors, ultrasonic sensor, light sensor and color sensor.
- Based on Eclipse and LeJOS EV3 API, programmed the robot to execute specific tasks in Java.
- Integrated all functions of the robot and participated in final competition.

Extracurricular & Leadership

2016 Aug – Quebec French B2 Certificate

Issued by Commission Scolaire de Montreal

2014 -- Captain of McGill University Dota2 team

Won top 3 prize among 64 Universities in North America.

2011 -- Captain of a soccer team in high school

Won the 2nd prize in high school intramural league as a captain of a soccer team.

2011 -- Director of a music drama in high school arts festival

2011 -- Received 10th level of the piano certificate.