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, HTML, CSS
Tools: Eclipse, IntelliJ, Jenkins 2, Git, Gerrit, MySQL, vSphere, JIRA, UML Modeling, MATLAB
OS: Windows, Mac, Linux (Ubuntu, SUSE)

Experiences

Software Developer Co-op, Ericsson R&D, Montreal   *Sept 2017 – Apr 2018*
- Currently working in CI automation team, developing scripts in Bash and Python to reduce integration problems and improve software quality in a large Java project.
- By using Jenkins 2 declarative pipeline feature, developing Jenkins pipeline in Groovy to automate and integrate build, test, deploy and upgrade process on Ericsson Cloud Execution Environment.
- Developing Ansible Playbook in YAML to perform automation tasks, such as helping other developers to configure their development and testing environment automatically.
- 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

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.

Personal Website: kevenliu.com   *Since Oct 2016*

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 **J**ava.
- 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.