Ruihan Wang

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EDUCATION

UNIVERSITY OF WATERLOO
4A Computer Science
Expected 2019 | Waterloo,ON

SKILLS

PROGRAMMING:
C++ • C • Java • C#

WEB DEVELOPMENT:
HTML5 • CSS3 • JavaScript • Express
Node.JS • Angular.JS •REST API

DATABASE:
Microsoft SQL • MongoDB

TECHNOLOGY:
SoapUI • Postman • Unity

VERSION CONTROL:
Git • TortoiseSVN

FUNCTIONAL:
Scheme • R

SCRIPTS:
Shell • Batch

PLATFORMS:
Windows • Linux • MacOS

LINKS

LINKEDIN:
https://www.linkedin.com/
in/harry-ruihan-wang/

GITHUB:
wwxnff

WEBSITE:
ruihanwang.net

SOCIETIES

MAGICIAN
Performed at University of New
Brunswick for over 300 students

WORK EXPERIENCE

NCR CORPORATION | Software Engineer
Jan 2018 – May 2018 | Waterloo, Ontario, Canada
- Bug fixed, code re-factored and upgraded existing web-application with new features on both front-end and back-end with **Java EE** and **JSP** .
- Diligently protected the product from security issues, such as **SQL injection** , **XXE attack** , and **DOS attack** .
- Wrote test programs and automation scripts using **Junit** and **SoapUI**
- Contributed in resolving more than **30** Jira issues and reviewed over **20** commits on Crucible
- Worked in an agile development environment with rapid iteration, familiarized **Scrum** , **Sprint** and more development activities and methods
- Implemented Integration Testing for new version of web application, utilizing HP Quality Center to conduct **100+** manual test cases within 2 weeks with high efficiency and reported all errors to project manager in time.

NANJING PUJIE.TECHNOLOGY CO.,LTD | Quality Assurance
June 2016 – Aug 2016 | Nanjing, JiangSu, China
- Coordinated daily meetings with product design, quality assurance teams to ensure task deadlines were met based on the Agile methodology
- Monitored, recorded and analyzed data based on the software and provided feasible solutions for the software engineer to fix
- Completed quality assurance cycles for the company's software and website, involving languages such as **HTML, CSS, Javascript**
- Manually transferred the data during software integration

PROJECTS

BAMBOO ALBUM bambooalbum.ruihanwang.net
- A full-stack web app that includes authentication, each user has his own album, each photo is automatically tagged upon upload to the album. The user is able to find the photo he want by searching for different tags.
- Front-end in **Angular** , Back-end in **NodeJS** with **Express** framework, user's data, photos' tags and links are stored in **MongoDB** , users' photos are stored using **firebase's storage API** .
- Used Azure's **Computer Vision API** to analyze and classified for each photo given and create thumbnails of the photos

FOTAG an image rating app
- An image rating app that has both desktop and mobile version. The user can upload, rate and filter the images.
- Implemented with **Java** , used **Swing** library to create a desktop version, and **Android Studio** with the mobile version
- The project is built towards **MVC Pattern** with the same model. Used various layouts for different components, such as spring layout, card layout etc.

SORCERY A Hearthstone-like terminal game
- A 2-player card game that plays like magic the gathering, it contains minion cards, spell cards, and ritual cards.
- Applied various object-oriented design patterns such as **observer pattern** **factory pattern** and **decorator pattern** to complete the project
- Fully developed in **C++** and used **XWindow** for visualization