

VICTOR DUAN

WORK EXPERIENCE

Fundserv Inc. - Unix/Web Developer

- Worked on an internal website used by the company's IT department to view information about all of the company's Solaris and Linux servers
- Automated the compliance testing process for servers by writing Unix scripts to test each server's status
- Designed a relational MYSQL database to store which tests passed and failed for which servers, with support for test exceptions and different levels of failure
- Wrote Python scripts to generate summaries and detailed reports of the results
- Configured Apache server to use LDAP authentication linked with Active Directory
- Improved UI and UX of tabular reports by adding row highlighting and sorting options

360 Education Labs Inc. - Software Developer

- Full Stack Developer for YuJa Website
- Integrated video Optical Character Recognition (OCR) using FFmpeg and Tesseract libraries to capture the text in a presentation slide and use it for indexing purposes
- Implemented new features and bug fixes using HTML/CSS, Javascript and Java
- Performed maintenance for the Android and iOS applications

Vitalhub Corp. - Technical QA Analyst

- Implemented revisions to XML test data generation script using Python/Java
- Wrote shell scripts to simplify installation processes
- Made REST calls to verify that information displayed in the app is correct, and created automated test cases for these calls

PROJECTS

Straights

- Programmed in C++ in July 2016 for a software design principles course project
- A card game in which you attempt to empty your hand by placing consecutive cards on the playing field
- Uses the GTK+ library for the GUI, and the Model View Controller design pattern
- Makes use of OOP methodologies such as polymorphism, inheritance and abstract classes

Nameless Resume

- Programmed in C++ in February 2015 for a hackathon
- Uses file I/O, string manipulation via the string library
- Reads in an HTML formatted resume name from the command line and censors the person's name out

EDUCATION

Candidate for Bachelor of Software Engineering:

Co-operative, University of Waterloo, September 2014 – present