MANISH JHA

2A Computer Engineering Undergraduate

manishjha4.github.io
github.com/manishjha4
linkedin.com/in/manish-jha
m2jha@uwaterloo.ca

SUMMARY OF SKILLS

- Languages: C++, Java, Python, Ruby, JavaScript, HTML5, Bash, CSS, XML, MATLAB, VHDL, Assembly
- Datastores: MongoDB, MySQL
- Environment/Tools: Git, SVN, Linux/UNIX, Tomcat
- Passion for engineering with an interest in desktop and Android app development

WORK EXPERIENCE

OpenText
Waterloo, ON

R&D Tools Support & Development — Sept 2017 – Dec 2017

- Created an internal product security form using Google's visualization API used by over 1500 employees
- Refactored the product security form's database to improve processing performance by 20% using SQL
- Created a log parser written in Python to export Jira and Confluence log files into an SQL database
- Migrated the HP Application Lifecycle Management repository to the company's internal test case environment
- Assisted in the migration of various instances of Jira and Confluence to a singular instance

Sunlife Financial
Waterloo, ON

On-Site Support — Jan 2017 – April 2017

- Refreshed and replaced over 200 computers network systems meeting 100% of the monthly requirement
- Worked closely with clients helping troubleshoot computer related problems
- Resolved over 30 hardware/software issues on average per week
- Built custom PC's to meet specific client needs

PROJECTS

javaChess
Java — Feb 2018 – Current

- Developing a game of chess with an AI and a GUI written in Java
- Used Google's Guava library for holding immutable objects in the game
- Created a chess AI from scratch using the Minimax game theory algorithm

PirateKing
Java, Android — Jan 2018 – Current

- Building an android game written in Java using Android Studio
- Implementing an intuitive GUI using Google's material design principles
- Game logic based on the popular SkullKing card game

2048
Java, Android — May 2017 – July 2017

- Developed an android game of 2048 controlled by hand gestures playable of any android smartphone
- Created the game using finite state machine design and object oriented design principles
- Implemented the game logic by using power of two number addition

EDUCATION

- Candidate for Bachelor of Applied Science, ECE department — University of Waterloo, Class of 2021

INTERESTS

- Sushi, competitive chess, soccer and badminton player