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Computer Engineering 1B

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Jesus Garcia Moreno

Skills

LANGUAGES
Python, C++, Java, HTML, CSS, JS, SQL

FRAMEWORKS
PyQt5, Appium, Selenium, PyUnit

DEVELOPMENT TOOLS
Git, Postman, Swagger, JMeter, Linux, Vim, Eclipse, Jira

HARDWARE
VHDL, LabVIEW, NI myDAQ, mySTEM Board, Fischertechnik

Projects

XPTRACK | PERSONAL PROJECT   MAR 2019
- Created a financial management app to help track expenses, such as education, food, housing etc. and allows the user to calculate statistics for their expenses such as average daily spending, projected annual spending, etc.
- Utilized **Python**, **OOP**, and **PyQt5**, a cross-platform GUI toolkit, to design the desktop application user interface

SKILLS ONTARIO | ROBOTICS AND CONTROL SYSTEMS   MAY 2018
- Designed, built, and programmed a merry-go-round utilizing **LabVIEW**, **NI myDAQ**, and **Fischertechnik** kits
- Competed at the provincial level in teams of two to complete this given task throughout the day by separating the project responsibilities between software and hardware components

THE FRUIT GAME | HIGH SCHOOL PROJECT   JUN 2017
- Programmed a single-player game in **Java** using the hsa.Console class, where three different types of fruits of randomized amounts are shown on the screen and the user would take alternating turns with the computer to remove fruit from the table, whoever snatches the last fruit is announced as winner

Experience

QA ANALYST | BIOCONNECT   JAN – APR 2019
- Built automation scripts using **Python** to improve the test cycle by reducing the time spent on manual testing
- Kickstarted the automation test suite for the BioConnect Android cloud app using **Git** and **Appium-Python** client: implemented BioConnect's API, **OOP**, and created over 50 reusable test scenarios with 5-25 assertions each
- Significantly contributed to the **Postman** API validation test suite by adding over 75 end-to-end test cases, resulting in approximately a total of 1000 API requests with assertions written in **JavaScript**
- Worked closely with Development and QA teams in an **Agile** workflow to plan and execute tests across mobile, server-client, **RESTful APIs**, **SQL databases**, and hardware devices to ensure it meets the specified requirements
- Initiated and improved current technical documentation for various projects, APIs, frameworks, and test scripts for future referencing and reporting

BACK SHOP | PIPER'S HEATH GOLF CLUB   APR – AUG 2018
- Performed as a team player with co-workers and other departments to complete tasks and increase productivity
- Greeted customers and provided them with clean, functional golf carts to boost customer satisfaction
- Announced tee times through a microphone to assure time optimization and golfers tee off on schedule

INVENTORY CLERK | ELLIOTT MACHINERY   NOV – DEC 2017
- Organized the amount of equipment and supplies available in storage with minimal supervision and guidance
- Maintained and compiled physical records of all attainable supplies to be computed in database

Education

UNIVERSITY OF WATERLOO | BASC | COMPUTER ENGINEERING   2018 – 2023
- Awarded the President's Scholarship of Distinction (Given to students with an entrance average above 95%)
- Relevant coursework: Fundamentals of **C++**, Discrete Mathematics and Logic, Digital Circuits, Linear Algebra