TIANNA HUDAK

2022 Graduate - Engineering Physics, Entrepreneurship

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WORK EXPERIENCE

Quality Assurance Engineer Co-op

Trulioo Information Services Inc.

May 2020 – Dec 2020, May 2021-Sept 2021

- Designed and implemented automated UI flow test cases using C# and Selenium to test user type privileges
- Created and improved over 200 automated API test cases to be run daily
- Built out sandboxes using JavaScript to test API calls using Postman
- Worked closely with Product Managers to ensure all design specifications were addressed

TECHNICAL PROJECTS

New Venture Design Capstone Project

Product Management, Market Validation, Agile Development

Sept 2021 - Present

- Building a software solution that will reduce the time spent by teachers doing lesson preparation
- Working in a disciplinary team to build out a minimum viable product for May 2022
- Developing the product based on rigorous market validation by interviewing potential stakeholders and doing secondary market research

BC Cancer Agency Capstone Project

C++, Mathematical Modeling, Docker, Python, Project Summary

Sept 2020 – April 2021

- Sponsored by a Medical Physicist at BC Cancer Agency, developed a mathematical blood perfusion model of the liver to help identify cancerous regions
- Programmed the mathematical model using C++ and used Python to create data visualization such as graphs of output data

Autonomous Robot Competition

C/C++, Microcontrollers, Onshape, Circuit Design, Project Website

May 2019 – Sept 2019

- Designed and built an autonomous robot capable of retrieving stones from varying post heights and returning them to a storage
- Programmed the robot using PlatformIO in C++ implementing a state machine design

EDUCATION

BASc, Major in Engineering Physics
Minor in Entrepreneurship

The University of British Columbia

Sept 2017 – May 2022 GPA : 84.2%

Transcript

SKILLS

Java | Python | C, C++, C# | Git | JSON | MATLAB | New Product Development | Software Testing

COURSEWORK

- Principles of Software Construction
- Modern Software Design
- Instrument Design & Robotics
- Technical Communication
- New Product Development
- New Venture Design

ACHIEVEMENTS

- 2017-2021: Deans Honour List Standing
- 2017: UBC Major Entrance Scholarship Recipient
- 2020: First place in Business Hackathon (LiteHacks UBC)

PROJECT LINKS

- Autonomous Robot Website
- Liver Blood Perfusion Project
- Driving Robot Simulation Video
- Galaxy Collision Modelling Project