VLAD LUNGU

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WORK EXPERIENCE

Hypatia Systems - Full Stack Developer Intern   **May 2022 - Sep 2022**
PostgreSQL, Node, Express, JavaScript, PUG
- Designed and implemented ability to ask graphing questions on a grid using the Fabric JavaScript library to render and manipulate points and vectors on a graph as well as server/database requests to save and load previously designed questions and track student responses to these questions
- Integrated search functionality into several aspects of the web application, performing database queries for textbook-specific searches as well as general math homework question searches and presenting them in a custom table
- Resolved several bugs in relation to the formation of graphs and charts depicting student progress and number of attempts on math questions

TTT Studios - QA Automation Engineer Intern   **Sep 2021 - Dec 2021**
Cypress, Appium
- Executed test plans designed in TestRails using automated scripts written in Cypress and Appium to test functionality of logging in, navigation, and insertion/deletion of information for a variety of client projects
- Updated company QA documentation in Notion to describe the QA process from start to finish as well as to introduce the practice of load testing into the QA pipeline using Apache JMeter

Lab of Dr. Gabriella Horvath, BC Children's Hospital - Research Associate   **May 2019 - May 2020**
Python, SQL
- Lab based research focused on investigating relationship between calcium concentrations in neurons and genetic epilepsy with the ultimate goal of identifying medications to stabilize severe epileptic conditions
- Developed Python scripts for the purpose of extracting, organizing, and visualizing data from fluorescent microscopy to track changes in neuron activity indicated by fluorescent light intensity using the pandas and numpy libraries in Python

PROJECTS

Stock Tracker and Notifier   **Jan 2023 - Present**
PostgreSQL, Java Spring
- Created application that fetches stock data every few minutes using Finnhub.io API and sends data to a Java Spring server that saves them to a PostgreSQL database
- Set up alert to email me if any stock I am currently following has significant growth within a specified time period

Beaver Scouts Management Tool   **Sep 2022 - Present**
PostgreSQL, Node, Express, React.js
- Designed an organizational tool for tracking and managing my local Beaver Scouts Colony, allowing for easy storage of information regarding leadership, youth participation, and weekly meeting planning

EDUCATION

University of British Columbia - Bachelor of Computer Science *GPA: 3.9*   **Dec 2022**

University of British Columbia - Bachelor of Science - Biology *GPA: 3.9*   **May 2020**

SKILLS & INTERESTS

- **Programming:** Python, Java, R, JavaScript, Node, Express, SQL, React.js, CSS, HTML5, C, C++
- **Tools:** GitHub, VS Code, ClickUp, Jira, Notion, TestRail, JMeter
- **Data Science:** Linear and logistic regression, machine learning algorithms, data visualization, hypothesis testing
- **Hobbies:** Beaver Scouts leader, latin social dancing, jazz saxophone, martial arts, drawing