SAHIL PAHOOJA

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EDUCATION

University of Waterloo
Bachelors Computer Science
2023

SKILLS

Languages I speak:
GoLang, C, C++, Python,
JS(React), Java, HTML/CSS,
Bash Scripting
Databases: PostgreSQL,
MongoDB
Tools: Docker, gRPC,
Microservices, TCP/IP, UDP

PROJECTS

E-Commerce Micro-service
Microservice as a **RESTful** API using **GoLang** Back-end and **React** Front-end, with client generation using **Swagger**, **Gorilla** for routing and **gRPC**, **Protocol Buffers** embedded to handle transactions

Tetris (with a twist)
Developed the classic game project of Tetris in **C++** using MVC architecture, effective modularization using Fitt's Law but with enhanced multiplayer support over **TCP** sockets

GO(t)
Simple and fast concurrent **GoLang** package and CLI tool to download large files 10x faster than cURL and Wget

Portfolio Website
Created a portfolio website to showcase my skills and projects with simple, elegant and responsive design using **HTML** and **vanilla CSS**, **JS**. Please check for all projects: **spahooja.com**

ML Model to service ticket routing
Developed a Classification model in **Python** with **Tensorflow** API using Naïve Bayes Classifier with **89%** accuracy that automatically routes ServiceNow tickets to the concerned department which previously took a team.

EXPERIENCE

Home Trust Company   Toronto, ON
QA Analyst   May '19 to Aug. '19
• Delivered technical testing when building automated tests scripts as well as delivering stress, volume, and performance testing.
•Improved organic search results by increasing the search engine results page by 30%

u Trade Solutions   Mohali, India.
Stock Trade Development Intern   July '18 to Aug. '18
• Involved in the development of historical charting module.
• Worked on a low latency, high frequency trading platform.

Minda iConnect   Gurgaon, India.
Product Development Intern   May '17 to July '17
• Created performance test suites that run within performance testing environment, log and manage bugs to work closely with developer teams to identify issues and key areas for improvement and optimization.

Code Brew Labs   Chandigarh, India.
Software Developer   Apr. '16 to July '16
• Developed Android application for the Sales Inquiry Platform of a Commercial Vehicle Manufacturing company.

INTERESTS

Softball   Hiking   Rocket League