Franklin Stewart

frankjstew@gmail.com | 250.540.5841

Excellent problem solver with experience developing web-based applications and data manipulation/analysis. Team player with development, leadership, and customer service experience.

WORK EXPERIENCE

TOLKO INDUSTRIES LTD. | Developer

Nov. 2020 – Present | Vernon, BC

- Facilitated the development of an updated financial documents storage system.
- Managed, maintained, and updated a variety of applications used daily by business stakeholders.
- Performed research into a significant improvement to the Fire Protection Management system.

PRIVATE DATA CONSULTING

Sept 2020 – Oct 2020 | Nelson, BC

- Performed data analysis jobs for private companies. This involved interpreting, analyzing and modeling various scientific data sets.

EDUCATION

UNIVERSITY OF VICTORIA

B.Sc in Physics and Mathematics

Jun 2019 | Victoria, B.C.

HARD SKILLS

PROGRAMMING

Python • Javascript • C# • .NET• SQL • SQL Server • PowerShell • Git • Matlab • sklearn • React • Java • OOP • Node • MongoDB • REST APIs • Webpack • Bash • Heroku • Jquery

MARKUP + STYLING

LaTeX • HTML • CSS • Bootstrap • Markdown

OTHER

Physics • Mathematics • Nintex • Nintex Workflow Cloud • Sharepoint • Azure Devops • Electronics • Technical Writing

SOFT SKILLS

Teamwork/Cooperation • Adaptability • Problem Solving • Critical Thinking • Process Orientation • Organization • Attention to Detail • Leadership

LINKS

Github: frankstew
LinkedIn: Franklin Stewart
Portfolio: frankstewartdev.com

PROJECTS

YELPCAMP | LIVE VERSION

- Developing a web application using Nodejs, MongoDB, Express, and React to build a Yelp clone for campgrounds.

N-PUZZLE SOLVER

- Implemented an A* search algorithm using multiple heuristic/priority functions to find the an optimal solution to the classic N-puzzle given an input puzzle.

KDTREE

- Implemented a 2d Tree data structure using RBBSTs to model and visualize range search and nearest neighbour methods between two points in 2d space.

COURSEWORK

UNDERGRADUATE

- Data Analysis - Using Python and Javascript web scraping capabilities to retrieve and manipulate data.
- Programming - Developing clean, scalable programs using languages such as Java, Javascript and Python.
- Data Manipulation/Visualization - Making use of a variety of data manipulation tools such as matplotlib, seaborn, pandas, numpy, and sklearn to collect, interpret and visualize data.
- Electronics - Creating simple circuits using a variety of electrical components such as capacitors, transistors, and op-amps.
- Pure and Applied Mathematics - Using various mathematical techniques, including PDEs, ODEs, Statistical Mechanics, and many facets of Linear and Abstract Algebra, to solve a multitude of problems.

SUPPLEMENTAL CSC COURSES

- Algorithms - Developed knowledge of many commonly used algorithms and data structures (stacks, queues, BSTs, symbol tables, etc.)to solve complex computational problems.
- Databases - Gained an understanding of relational databases and knowledge of how to use SQL to aggregate, manipulate, and organize data.
- Web Development Bootcamp - Obtained the ability to create efficient, scalable web applications using the MERN stack (MongoDB, Express, React, Nodejs).