

Franklin Stewart

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Excellent problem solver with experience developing web applications and manipulating/analyzing data. Team player with development, leadership, and customer service experience.

HARD SKILLS

PROGRAMMING

Python • Javascript • C# • .NET • SQL • Bash • PowerShell • Git • Rust • sklearn • React • Java • Node • MongoDB • Webpack

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

EDUCATION

UNIVERSITY OF VICTORIA | B.Sc IN PHYSICS AND MATHEMATICS

Jun 2019 | Victoria, B.C.

- 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.
- 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.
- Data Analysis - Using Python and Javascript web scraping capabilities to retrieve and manipulate data.
- Electronics - Creating circuits using a variety of electrical components such as capacitors, transistors, and op-amps.

UDEMY | WEB DEVELOPER BOOTCAMP

Apr 2020

- Obtained the ability to create efficient, scalable, full stack web applications using the MERN stack (MongoDB, Express, React, Nodejs).
- Front-end web development - Acquired a thorough understanding of various elements of front-end web development. This includes HTML, CSS, Javascript, and various CSS and Javascript frameworks including Bootstrap, SemanticUI, and React.
- Back-end web development - Gained knowledge of the many aspects of back-end web development. Including the ability to set up and maintain a database for a project, the ability to build RESTful APIs, and sending/manipulating data with the front-end of an app.

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.

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.