

# Franklin Stewart

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Excellent problem solver with 2 years of experience developing web applications and manipulating/analyzing data.  
Team player with development, leadership, and customer service experience.

## PROJECTS

### YELPCAMP 🗺️ | LIVE VERSION

- Developed a Yelp clone for campgrounds using Nodejs, MongoDB, Express, and React.

### N-PUZZLE SOLVER 🧩

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

### 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.

## WORK EXPERIENCE

### TOLKO INDUSTRIES LTD. | DEVELOPER

Nov. 2020 – Present | Vernon, BC

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

### PRIVATE DATA CONSULTING

Jan 2020 – Oct 2020 | Nelson, BC

- Using a variety of Python tools, performed data analysis for private companies. This involved interpreting, analyzing and visualizing various scientific data sets.

## SKILLS

### PROGRAMMING

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

### 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 • 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.