Spencer Shupe

Web Developer

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📍 Kelowna, BC
in /spencer-shupe
⊙ /shuped

Physicist turned web developer

- ∝ Passionate and dedicated
- ∝ Skilled communicator
- ∝ Analytical thinker
- ∝ Writes readable code

Skills

PROGRAMMING
Javascript
HTML & CSS
Python
SQL
Ruby on Rails
ReST APIs
Websocket

FRAMEWORKS
jQuery
React
Electron
Express

MATHEMATICS
Data Modeling
Multi-variable Calculus
Differential Equations
Linear Algebra
Stochastic Processes
Descriptive & Inferential Statistics

PHYSICS
Computational Physics
Harmonic Motion and Waves
Special Relativity
Quantum Theory
Thermodynamics

Education

Lighthouse Labs
Web Development Bootcamp 2018
Almost a hours over 10 weeks
https://www.lighthouselabs.ca/web-bootcamp

Sept. 2018 - Nov. 2018

University of Alberta
Faculty of Science
BSc. Major Physics / Minor Statistics

Sept. 2013 - April 2018

Projects

CodeCast - Web & Native Application
/shuped/CodeCast---Public

Educational tool to share interactive code sessions with multiple viewers.
Designed and built to improve online code lesson experience.
Features:
- Native Electron Application
- Fully-featured in-browser terminal with live streaming
- Fully-featured chat application
- Live file directory mapping and caching
- Single-page application using React/Redux/Router
- Express backend
- Currently working on GraphQL API over PSQL

Contribution: I proposed the initial solution and directed many facets of the project.
With the exception of pieces of client sytles, I could quickly write this from scratch.

Schooodle - Web Application
/shuped/LightHouseLabs/tree/master/midterm-schoodle

Collaborated with a team of three over five days to create an app for planning events
Shows events with multiple choices for time & date to vote on.
Features:
- Asynchronous network requests display results in real-time
- PSQL database with a NodeJS server
- EJS templating
- Bootstrap

Contribution: I was involved in all stages of development and design. If my fingers
weren't on the keys, I was pair programming with the person who was.vvv

Experience

Machobear Studios 'Blockathon'
Participant - Second Place

July 2018

- Created deployment-ready bitcoin wallet that instantly hedged incoming balance against USD
- Learned, integrated and parsed APIs for real-time data
- Performed statistical analysis of historical data to evaluate risk
- Collaborated on electron application and architecture considerations

Accent Inns Kelowna
Maintenance

May 2017 - Sept. 2017

- Designed and prototyped new strategies to reduce inefficiencies I observed
- Convinced management to turn existing reactionary approaches into proactive strategies
- Used methods of statistical inference to better estimate unknown variables
- Coded native applications in .NET to implement new solutions

TELUS
Cable Technician

May 2016 - Sept.2016

- Worked closely with clients to ensure continued and lasting satisfaction
- Constantly solved complex and unforeseeable problems in the field
- Worked closely with experienced professionals to solve complex jobs
- Developed valuable team management and communication skills

TELUS
Warehouse Manager

May 2015 - Sept. 2015

- Managed incoming and outgoing assets and logistics for a small warehouse
- Spent unscheduled time learning all aspects of the multifaceted telecom industry
- Created methods to estimate outflow of assets to reduce shortages
- Worked and learned from talented professionals