**Shanice Talan**

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## Summary

Resourceful and creative fast-learner with exceptional interpersonal and problem-solving skills

5 years experience in academic programming: MATLAB, C++, C, MIPS Assembly, VHDL

1 year experience in Web/Software Development:

* HTML
* CSS
* Bootstrap
* JavaScript
* jQuery
* AJAX
* PHP
* WordPress
* Canva
* Git/GitHub
* Java
* JSP
* REST
* Eclipse
* IntelliJ IDEA
* Android Studio
* MS SQL
* Oracle PL/SQL
* Visual Studio
* C#
* ASP.NET
* WinForms
* MVC
* Python
* Linux/UNIX
* UI Design
* Responsive Web Design

## Work Experience

**Junior Full Stack Developer** Nov 2019 – Mar 2020

The Lorrnel Group

* Develop several web map applications for the GIS and Environmental teams and their clients using Rapid prototyping and Agile methodology
* Receive feedback and requests from the other teams to add/modify app features
* Complete requests under pressure to meet deadlines
* Use modular programming techniques and use of plugins
* Follow SOLID Principles
* Write clear and straightforward documentation
* Leaflet.js, JavaScript, AJAX, jQuery, PHP, PostgreSQL, HTML, CSS, Git, Linux CLI

## Education

**Object Oriented Software Development Certificate** Oct 2019

Southern Alberta Institute of Technology GPA 4.0

Travel Agency Website

* Responsive website where customers can register, login and book trip packages, and where agents can login and add new agents
* Connect to database using PHP & MySQL
* JavaScript used for input data validation for the registration and login forms
* PHP Request, Get, Post and Session variables are used to create registration and login forms
* XAMPP was used to run the website in localhost for testing

Power Bill Calculator

* C# Windows form application that calculates total power bill for a customer depending on rates for each customer type: Residential, Commercial, or Industrial
* Customer information can be viewed from and added to a txt file
* Application displays total for each customer type, and grand total for all customers

Marina Website

* C# ASP.NET web application where registered customers can order a dock slip
* Connect to SQL Database and modify data by writing methods that runs queries
* Customer can view docks, the servicing it has, and available slips

Travel Agency Website

* Remake using C# and ASP.NET in Visual Studio
* Connect to SQL Database and modify data by writing methods that runs queries
* Customers can register, view their booking information and modify their information

Travel Agency Desktop Application

* C# Windows application where agents can modify trip packages, products and suppliers
* Connect to SQL Database and modifies data by writing methods that runs queries
* Use exception handling to deal with SQL server and other data errors

Agent Editor JavaFX Desktop & Android Mobile Applications

* Java desktop application that creates, updates, and deletes agent data
* Create desktop app GUI using FXML with help of SceneBuilder
* Connect to database using JDBC

Travel Agency Website

* Remake using JSP and REST in Eclipse
* Customers can register, login and book trip packages
* Agents can login and modify customer bookings, and add, modify and delete trip packages
* Connect to database using JDBC

MS SQL & Oracle PL/SQL

* Database design, ER diagrams, normalization
* Create, modify and access databases, tables and columns using DDL & DML
* Use Joins, Group by, Having and Where clauses
* Create views, functions, procedures and triggers

Microsoft Server

* Set-up server using Server Manager
* Set-up roaming user profiles
* Create directories and files, and set-up permissions (NTFS and Share)
* Set-up DNS and DHCP, with use of command line

Linux

* Install distro
* Run tasks using mainly command line
* Set-up Physical and LVM partitioning
* Create and modify users and groups
* Create directories and files, and set-up permissions
* Install, enable, and start services

Linux Web Server (CLI only)

* Set-up a webserver using LAMP services
* Create cron job and bash script to back up the webpage content to a tar file to another disk partition and saves a log file
* Set-up NFS share with another machine

**Bachelor of Science in Electrical Engineering** Jun 2017

University of Calgary GPA 3.2

Project Manager Sep 2016 – Apr 2017

Capstone Project: “Soft Exoskeleton with Muscle Sensor”

* Led a team to build a wearable device that detects muscle signals and increase grip strength
* Designed a harness/chassis system to hold the sensor, servo motors and power supply
* Assisted the sensor and power teams with design and calculations
* Resolved team member conflicts
* Completed the project with A+, and was able to pass the 2nd round of the competition

Photovoltaics Team Sep 2013 – Jun 2014

University of Calgary Solar Car Team

* Programmed a rotating arm with LEDs using Arduino (PWM), a servo and a MOSFET to simulate weather effects on the solar panels
* Collaborated with the other sub-teams in the Electrical & Mechanical Engineering teams
* Soldered solar panels to create a PV array
* Collected data to analyze maximum efficiency of the arrays, and analyzed it using MATLAB

Side Projects

Portfolio Website (shanicetalan.com)

* Responsive website that serves as a resume and portfolio using HTML, CSS, Bootstrap & jQuery

Wedding Website

* Responsive website that serves as an invitation, RSVP, and programme using HTML & CSS, with Google Maps integration