

SIEGFRIED PESCHKE

Personal Website: sigipeschke.github.io

(825) 440-6305 ♦ sigipeschke3@gmail.com ♦ AB Canada

EDUCATION

University of Calgary
Bachelor of Science (Physics)
· Program GPA: 3.56
· Overall GPA: 3.30

STRENGTHS & SKILLS

· Research & Data Analysis	· HTML	· Python
· Calculus & Statistics	· CSS	· TensorFlow
· Analytical Thinking	· JavaScript	· AutoIT
· Technical Writing	· TypeScript	· Latex
· Strong Collaborator	· Angular	

PROJECTS

Atmospheric Monitoring System

- A raspberry pi unit is utilized in conjunction with a barometer and particle counter to measure temperature, pressure, humidity and particle counts per mass bin.
- A server utilizing TCP sockets was built in python alongside a python GUI application to both display and manipulate data using filters and trend setting.

Personal Coding Projects

Popular Books Library

- Designed a Book Library in Angular utilizing PrimeNG. The focus was on dynamic and responsive data presentation using observables along with user forms to filter through the 1000 book dataset. Selecting a book displays details and the ability to find each selection on Amazon.

Agenda App

- Built a custom To Do List combined with a Calendar for a fully integrated Agenda application.

JavaScript Games

- Created basic games including Tic Tac Toe, 2048, War and BlackJack. Main focus was to solidify JavaScript skills by handling user input and rules of each game along with simple HTML and CSS.

WORK EXPERIENCE

Rabbit Hill Snow Resort, Edmonton AB

Nov 2021 - Apr 2022

Lifts Operator & Snowmaker

- Ensured the safe operation and use of ski lifts while catering to positive guest experiences.
- Operate a track utility vehicle to access and maintain snow blowers across the hill.

Midwest Pipelines, Dawson Creek BC

May 2021 - Nov 2021

General Labour

- Performed a range of labour duties for a tie in crew whose main goal was to boom sections of pipe into a ditch, setup welders. Additionally participated in dirt backfill and cleanup duties.

University of Calgary Isotope Laboratory, Calgary AB

Jan 2020 - Sept 2020

Senior Thesis & Product Developer

- Improved experimental procedure of lead isotope analysis by adjusting ion exchange procedure which resulted in 2726% reduction of lead content in control samples.
- Successfully built a thermostat; raspberry pi based measurement unit with a full GUI.