

JOSHUA DOW

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EXPERIENCE

Application Support

Syncrude Canada Ltd.

May 2018 – Sept 2018

Fort McMurray

- Worked in a team environment to investigate systems/application failures to develop solutions. Communicated with different areas to solve problems and deliver results. Engineered improvements to existing systems/applications. Collected and analyzed data to assess health of systems/applications

Team Captain

University Of Calgary Dinos

Fall 2017 – Ongoing

Calgary

- Coordinated the competition schedule for over 20 swimmers involving 84 events total per competition
- Encouraged a successful attitude throughout the team as we work towards our goal of winning USPORT.

Tutor

Academy For Math and Science

April 2013 – Sept 2015

Fort McMurray

- Facilitated the growth and development of students in grades 3-12 and university in Math and Sciences by ensuring concepts were fully understood

PROJECTS

PI System App

Syncrude

2 weeks

Fort McMurray

Written in Python3, this application was used to take user data to specify PI Tag data to be registered or transferred. PI is a data logger system for reading data points from everywhere on the Syncrude site. This application is used daily and replaced an old excel spreadsheet. Still in use.

Webscraper

Syncrude

4 weeks

Fort McMurray

Written in C Sharp, this was a script which read data from a remote server and website then processed the data. It wrote the data into our internal data system. Replaced an old broken script. Still in use.

Real-Time Journal

Syncrude

2 weeks

Fort McMurray

Replaced a web-based application with a full functioning executable which allows the user to specify areas on the Syncrude site where they want to read data from. In real time it updates a preview of the data from the database. When the user has the data they are looking for the application generates an excel file.

REFERENCES

Available Upon Request

SKILLS

- Communication Effectiveness: Through personal interactions with peers and teammates, writing and presenting mathematical proofs, and public speaking.
- Analysis: Critical thinking with the ability to translate theoretical concepts into reality in order to provide reliable and understandable solutions to problems demonstrated in multiple class projects.
- Teamwork: Co-operates with peers in various projects. Assisting academically struggling teammates to ensure eligibility of entire team.
- Self-Starter: Eager to learn, will take challenges and tasks head on in order to complete them quickly and correctly as demonstrated in technical projects and as a leader of the UofC Men's Swim Team.

EXTRACURRICULAR



USPORT 50m Backstroke National Record

Current national record holder of the mens 50m Backstroke LC. This was set in February 2016



Canadian National Age Group Champion

Won 50m Backstroke from 2010-2016

STRENGTHS

ARMv7/v8

C/C++

Haskell

Java

Prolog

Python

C Sharp/VB

Algorithm Design/Analysis

Calculus

Linear Algebra

PI System Data, OS/soft

Statistical Analysis

Microsoft Office

EDUCATION

Bachelor Of Science Computer Science

University Of Calgary

Sept 2014 – Ongoing

Bachelor Of Science Pure Mathematics

University Of Calgary

Sept 2014 – Ongoing