JOSHUA DOW

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EXPERIENCE

Process Control & Automation
Syncrude Canada Ltd.

📅 May 2019 – Sept 2019   📍 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.

Process Control & Automation
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Captain
University Of Calgary Dinos Swimming

📅 September 2017 – May 2019   📍 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.

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. 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 an executable which allows the user to specify areas on the site where they want to read data from. In real time it updates a preview of the data from the database. Produces 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. Record still stands.

🏆 **Canadian National Age Group Champion**
Won 50m Backstroke from 2010-2016.

STRENGTHS

ARM7/8   C/C++   Haskell   Java   Prolog   Python   C Sharp/VB

Algorithm Design/Analysis

Higher Mathematics

PI System Data, OSIsoft

Statistical Analysis   Systems Analysis

EDUCATION

B.Sc. Computer Science Information Security
University Of Calgary

📅 Sept 2014 – Ongoing

B.Sc. Mathematics
University Of Calgary

📅 Sept 2016 – Ongoing