

Isaiah Daiz

Toronto, ON

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EDUCATION

Bachelor of Computer Science Degree - Accelerated

Sept 2022 to Aug 2023

- Algoma University | GPA: 3.9

Brampton, ON

Instrumentation Engineering Technology Diploma with Honours

Sept 2018 to May 2020

- Northern Alberta Institute of Technology | GPA: 3.7

Edmonton, AB

Software Projects | <https://isaiahdaiz.github.io/Portfolio/>

Paper Trades (<https://paper-trades-9225.web.app/>) | HTML, CSS, Javascript, React, Firebase

- Web application to simulate stock trading to buy and sell stocks with average cost basis.
- Integrate stockdata.org API to fetch real-time stock data

Traffic Citation and Reporting System | Java, JavaFX, MySQL

- Traffic citation and reporting system to track citation, driver and vehicle information
- Object Oriented Programming and Design

University App - Android Mobile App | Kotlin, SQL, Android Studio

- Grade submission app that allows users to add courses and students then enter grades for their courses.

WORK EXPERIENCE

NCGL Construction Ltd. (BIRD Construction Subsidiary)

Aug. 2021 to Present

PLC/HMI Programmer

Edmonton, AB

- Improved water distribution by commissioning water treatment plants, resulting in a 20% increase in water flow rate as measured by the volume of water distributed per hour, meeting the growing water demand of the community and ensuring adequate supply during peak periods.
- Reduced monthly alarm frequency 20% by implementing comprehensive alarm management systems, identifying nuisance alarms and optimising alarm thresholds.
- Accomplished a 30% reduction in maintenance time and cost by implementing SCADA, enabling operators to perform tasks and monitor processes remotely without frequent on-site visits, by leveraging real-time data and remote control capabilities.
- Achieved 98% uptime during SCADA upgrade as measured by the total percentage of time the live processes were operational during the upgrade period, by carefully planning the upgrade process and implementing redundancies.
- Delivered highly responsive 24/7 on-call phone support with a focus on maintenance and programming changes by consistently meeting less than 1-hour response time by promptly assisting clients in troubleshooting and resolving issues.

SKILLS

Programming Languages: Java, Python, Javascript, HTML, CSS, Kotlin, C#, SQL, VB, XAML, PLC, Ladder Logic, Function Block Diagram, Structured Text

Software Suites: VSCode, Android Studio, Rockwell / Allen Bradley / FactoryTalk, General Electric (GE) / Proficy ME / Cimplicity, Schneider Electric