LOGAN THIMER

Software Engineer (Student)

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CAREER OBJECTIVE

Problem solver and strong communicator eager to prove my value and talent. Motivated to advance and expand my skill set through mentorships, challenging projects, and co-op programs.

WORK EXPERIENCE

Software & Controls Developer

LJ Welding Automation

📅 May 2018 - September 2022   📍 Edmonton, AB

- Wrote front and backend software for industrial welding robots and manipulators
- Developed C++ computer vision application using GigE cameras that interfaced to welding robots for live image streaming and tuning
- Part of a 5 person Engineering team that designed and developed software and control systems for production
- Developed a Java application on UR Robots that provided welding functionality including weld parameters, weaving overlays, and seam tracking
- Participated in R&D projects to generate new software applications/products to be used in production equipment
- Wrote low level communication interfaces to various welders using UDP & Modbus protocols

Farm Hand

Thimer Family Farms

📅 September 2014 - September 2022   📍 Gibbons, AB

- Operated heavy duty farm equipment such as tractors, seed drills, sprayers, and combines
- Calibrated sensors & various other devices used in farm equipment
- Assisted in the maintenance & repair of farm equipment alongside a heavy duty mechanic
- Expected to work long hours, any day of the week

EDUCATION

BSc in Computer Engineering - Software Option

University of Alberta

📅 September 2019 – April 2024

🎓 GPA: 3.5

Awards

- Dean's List, Fall - Winter 2019
- Jason Lang Scholarship 2019-2021

Instrumentation Engineering Technology

Northern Alberta Institute of Technology

📅 September 2016 - April 2018

SKILLS

- Advanced: C++, Python, Java, OOP
- Familiar: JavaScript, SQL, MongoDB, HTML/CSS, Android, Neural Networks, React

CERTIFICATIONS

- C++20 Masterclass
- 2023 Web Development Bootcamp

PROJECTS

Chatbot

📅 December 2022 - current

- Performs facial recognition upon startup to load user profiles
- Uses speech recognition for human response and OpenAI's API to generate chatbot responses
- Builds live profile of human user including emotions, facial features, and conversations
- Can change chatbot voice characteristics such as gender and nationality

Foodie Central

📅 September 2022 - December 2022

- Meal Planning app developed on AndroidOS for a school project in a team of 6
- Manage user created recipes and ingredient inventory
- Create meal plans for upcoming days and auto-generate shopping lists for your meal plans

REFERENCES

Available upon request