MARCUS ESHLEMAN

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EDUCATION

UNIVERSITY OF ALBERTA — Edmonton, Alberta
BSc, Computer Engineering, Software Specialization — Sept 2022 – Apr 2027
- Co-operative Education Program
- 3.4/4 Cumulative Grade Point Average
- First Class Academic Standing

SKILLS

Programming Languages: Python, C/C++, HTML, Assembly, VHDL, Bash
Technologies: Visual Studio Code, GitHub, Windows OS, Linux, Excel, PowerPoint
Languages: English (native), French (fluent)

RESEARCH AND PROJECTS

DEAN'S RESEARCH AWARD — Edmonton, Alberta
Student Researcher — Sept 2023 – Present
- Developing a Python simulation environment used in faculty research to model the laser heating of various surfaces.
- The model delivers essential theoretical insights, enhancing the efficiency of a parallel experimental initiative.
- Demonstrates proficiency in Object-Oriented Programming and capacity to produce streamlined and effective code.

POWTRACKER SNOWFALL MONITORING APP — Edmonton, Alberta
Hackathon Developer — Jan - Feb 2024
- Conceptualized and developed the PowTracker app, which enables skiers to quickly identify mountain resorts with optimal snow conditions.
- Applied HTML web scraping techniques to gather real-time weather data, dynamically updating the app's built in interactive map.
- Awarded first place in our category at the University of Alberta's largest Hackathon event of over 200 participants, as determined by a panel of industry judges.

WORK EXPERIENCE

MILLWOODS GOLF COURSE — Edmonton, Alberta
Pro Shop Associate — Sept 2021 – Present
- Oversaw and operated both the golf course and driving range, ensuring smooth day-to-day operations.
- Successfully planned and executed golf tournaments, accommodating up to 150 participants.
- Generated thousands of dollars in sales revenue through exceptional sales skills and personalized product selection.

VOLUNTEER EXPERIENCE

TUTOR'S FOR AFFORDABLE EDUCATION — Edmonton, Alberta
Volunteer Tutor — Sept 2023 – Present
- Provided instruction in mathematics and computer science to high school students.
- Simplified abstract concepts into straightforward and easily grasped principles.

PERSONAL INFORMATION
- Dual Canadian/French citizen; willing to relocate
- Interests: Hiking, Snowboarding, Golf, Guitar, Cooking