

ZANE CRAWFORD

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SUMMARY OF QUALIFICATIONS:

- **General Programming Languages:** Python, Java, Javascript, C/C++, C#, SQLite, Bash
- **Web Development:** HTML, CSS, Javascript
- **Assembly Language:** RISC-V, x86
- **Functional Programming:** Prolog, Lisp, λ -Calculus
- **Source and Version Control:** Github
- **Game Development:** Unity C#
- **CAD Modeling:** Fusion 360
- **Linux Environments:** Ubuntu, Debian, Alpine, Kali
- Performance Evaluation and Optimization
- Functional and Object-Oriented Programming
- Strong Communication and Interpersonal Skills
- Self Motivated Learning

EDUCATION:

Bachelors of Science

University of Alberta

- *Computing Science with Specialization in Software Practice*

Expected in 2026

Completed Grade 12

Strathcona High School

- *AP credit for Computing Science 35, focusing on java/C#*
- *Received Honors*

2019 - 2020

WORK EXPERIENCE:

CODING INSTRUCTOR

Code Ninjas Summerside

Mar 2023 - Present

- Delivering one-on-one instruction in a range of STEM skills, including 3D modeling and game development using MakeCode, Scratch, Javascript, Lua, and Unity C#
- Creating a welcoming and safe atmosphere for kids aged 7-14
- Maintaining an organized and productive classroom environment
- Working with students to troubleshoot various tech problems as they arise

RANGE MANAGER*Edmonton Gun Club***May 2024 - Aug 2024**

- Working alongside the board members and one other employee to handle the ranges daily operation, from customer service to machine and system maintenance
- Opening and closing the range each day
- Running POS, and creating accurate daily float reports
- Acting as an effective range safety officer for new shooters
- Handling most customer interactions, in-person and by phone about policy, hours, and pricing

SKI INSTRUCTOR*Rabbit Hill - Winter Ski Season***2017 - 2023***Seasonal Nov-Mar*

- Consistently providing a positive and successful ski lesson experience for children and adults
- Evaluating and documenting student progress and concerns
- Participating in regular on-hill technical and customer service training
- Implementing the help of apprentice ski instructors within lessons
- Maintaining proficiency in first responder skills such as First Aid and CPR to offer individuals in distress support if needed

FLOOR WORKER*Landmark Cinemas***June 2021 - Nov 2023**

- Serving customers directly, including alcohol
- Working with a team to accomplish tasks
- Carrying out day-to-day duties accurately and efficiently
- Actively listening to customers, handling concerns quickly and escalating major issues to supervisors

MISC TRAINING:

Range Safety Officer (RSO) Certification <i>Edmonton Gun Club</i>	2024
CCTP 21 - Programming Python Web App <i>NAIT summer course</i>	2022
NVCI Foundation - Non Violent Crisis Intervention <i>Robinhood Association internal training</i>	2022
Emergency First Aid & CPR <i>Robinhood Association internal training</i>	2022
CSIA Level II Ski Instructor Training - Teaching Children <i>Canadian Ski Instructors' Alliance</i>	2019
CSIA Level I Ski Instructor Training - Level I Certification <i>Canadian Ski Instructors' Alliance</i>	2018