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# ANDREW SAMOIL

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## EDUCATION

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<b>Edmonton, AB, Canada</b>	<b>University of Alberta</b>	<b>Fall 2019 – Present</b>
<ul style="list-style-type: none"><li>• <b>Bachelor of Science (B.Sc.):</b> Computer Software Engineering (Co-op) GPA: 3.6/4.0</li><li>• <b>Coursework:</b> Algorithms &amp; Data Structures, Programming Languages, Comp. Architecture, Calculus III, Object Orientated programming, Classifiers</li></ul>		

## SKILLS

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- **Languages:** Python, C++, C, Bash, MATLAB, Vivado
  - **Tools:** Git, GitHub, Tkinter, API's

## TECHNICAL EXPERIENCE

### Projects

- **Weather App** (Jan. 2021). Developed a custom weather themed GUI via Tkinter and handled user queries about the weather via an online weather API. GUI displays information about the location, temperature, and weather conditions for locations around the world. Python, Tkinter, Openweathermap API
- **OO-Minimax Program** (Nov. 2020). Designed and implemented an object orientated program version of a regular program that uses the minimax algorithm with recursion to always win or tie at tic-tac-toe. Python
- **Companion Discord Bot** (Nov. 2020). Contributed and built a companion discord bot to survive the pandemic during a school Hackathon (Hack-ed Beta). Successfully managed a group project and effectively used version control throughout the project. Python, Discord Libraries
- **Text Preprocessor** (Oct. 2020). Designed and implemented a program to receive data in terms of text and preprocess/adjust the words for use in training sets in a Classifier. Python
- **Password Generator** (Sept. 2020). Developed a program and designed algorithm to generate a password that meets all typical password requirements. Python

## WORK EXPERIENCE

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<b>Rink Maintenance</b>	<b>Windsor Park Community League</b>	<b>Winters 2017 - 2020</b>
<ul style="list-style-type: none"><li>• Provided ice work and grooming service for over 200 residential students and families as a 2-person crew</li><li>• Operated and maintained machinery while maintaining optimal safety and health regulations</li><li>• Communicated with both team and community members to further improve ice conditions to ensure enjoyment when utilized</li></ul>		
<b>Camp Counsellor (Leader in Training)</b>	<b>Shumka Summer Dance Camps</b>	<b>Summers 2016 – 2018</b>
<ul style="list-style-type: none"><li>• Contributed with staff members to provide programming and supervision for upwards of 60 campers over the course of a week</li><li>• Organized and facilitated group activities which promoted the camper's physical health and enjoyment</li><li>• Communicated with co-workers, camp management, parents, and campers to mitigate conflicts and transfer liabilities</li></ul>		

## ADDITIONAL EXPERIENCE AND AWARDS

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- Jason Lang Scholarship for Academic Excellence, 2020
  - Alexander Rutherford Scholarship, 2019
  - First Aid Certificate – Lifesaving Society, 2017
  - Ukrainian Shumka Dancer, 2019 – onward