

Noah Ergezinger

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Edmonton, AB

I am in my fourth-year of Computing Science at the University of Alberta, looking forward to working as a software developer on exciting projects involving data processing, web services, machine learning, simulation, and anything else that sounds interesting. I like to stay open-minded and positive while cooperating with a team.

Experience

- **Research Assistant**

University of Alberta, Department of Civil & Environmental Engineering, May - August 2019 & May - August 2020

Participated in the research and development of multiple projects involving data processing and filtering, numerical analysis, web publishing, and visual recognition. Involved in the writing of two published papers, Lead-Authoring one and Co-Authoring another.

- **Deli Clerk**

Safeway, May 2018 - February 2019

Attended to and general preparation of the deli counter. Provided customer satisfaction in varying circumstances.

- **High School Internship Program**

University of Alberta, Department of Computing Science, July - August 2016

Worked with a team on the development of AI programs to play the board game *Hex* using Monte-Carlo and graph search techniques. Produced an end-of-term poster and presented to peers our accomplishments of the summer.

Volunteering

- Executive, University of Alberta Squash Club, September 2017 - Present
- Summer youth camp, Athabasca AB, August 2017
- Various Squash tournaments, Registration Desk

Publications

- **Ergezinger, N, Virk, AS, Woo, J, Kainat, M, & Adeeb, S. "Application of Noise Filtering Techniques for the Quantification of Uncertainty in Dent Strain Calculations."** *Proceedings of the 2020 13th International Pipeline Conference. Volume 1: Pipeline and Facilities Integrity*. Virtual, Online. September 28–30, 2020. V001T03A026. ASME. <https://doi.org/10.1115/IPC2020-9580>
- Baclig MM, **Ergezinger N**, Mei Q, Gül M, Adeeb S, Westover L. **"A Deep Learning and Computer Vision Based Multi-Player Tracker for Squash."** *Applied Sciences*. 2020; 10(24):8793. <https://doi.org/10.3390/app10248793>

Education

- **BSc with Specialization, Major in Computing Science**

University of Alberta

Expecting to graduate in December 2021

- **High School**

W.P. Wagner

Graduated 2017

Skills

Programming Languages

- **Fluent:** Python, C/C++
- **Some Experience:**
 - Javascript, HTML, CSS
 - SQL, XQuery, SPARQL
 - Java, Kotlin
 - C#, Unity C#
 - MATLAB
 - VBA
 - CUDA

Tools and Frameworks

- Git, Unix, Bash, Make
- Numpy, Scipy, Pytorch, Pandas, Django
- Office, Excel
- Github, Travis CI
- Slack, Discord, Zoom, Google Meet
- VSCode, Visual Studio

Awards

- NSERC USRA, *May 2019 & May 2020*
- Iverson Computing Science Exam, 6th place provincially, *May 2017*