

# 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, automation, simulation, and anything else that sounds interesting. I am open-minded and positive while cooperating with a team.

## Experience

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- **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-Authored one and Co-Authored another.

- **Deli Clerk**

*Safeway, May 2018 - February 2019*

Attended to and general preparation of the deli counter. Provided customer service 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

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- Executive, University of Alberta Squash Club,  
*September 2020 - Present*
- Summer youth camp, Athabasca AB,  
*August 2017*
- Various Squash tournaments, Registration Desk

## Publications

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- **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

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

University of Alberta

*Expecting to graduate in December 2021*

- **High School**

W.P. Wagner

*Graduated 2017 with Honors*

## Skills

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### 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, Unity Editor

## Awards and Achievements

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- NSERC USRA, *May 2019 & May 2020*
- 2017 Squash Alberta University & College Championships, Silver Medal, Teams Event
- Alexander Rutherford Scholarship, *2017*
- Iverson Computing Science Exam, 6th place provincially, *May 2017*