Noah Ergezinger

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Edmonton, AB

I am in my fifth 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 optimistic while cooperating with a team.

Experience

- **Research Assistant**
  University of Alberta, Department of Civil & Environmental Engineering
  May - August 2019, May - August 2020, May - August 2021
  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 service in varying circumstances.

- **High School Internship Program**
  University of Alberta, Department of Computing Science
  July - August 2016
  Worked with a team on developing AI programs to play the board game *Hex* using Monte-Carlo and graph search techniques. Produced an end-of-term poster and presented our accomplishments of the summer.

Volunteering

- Executive, University of Alberta Squash Club,
  September 2020 - 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 with Honors

Skills

Programming Languages

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

Tools and Frameworks

- Git, Unix, Bash, Make, Regex
- Numpy, Scipy, Pandas, Pytorch
- Django, Flask, Node.js, React
- Nginx, Gunicorn, system/journalctl
- Github, Github Actions
- VSCode, Visual Studio, Excel, Unity

Awards and Achievements

- NSERC USRA, *May 2019 & May 2020*
- Squash Alberta University & College Championships, Teams Event:
  Silver - 2017, Bronze - 2018
- Alexander Rutherford Scholarship,
  2017

- Iverson Computing Science Exam, 6th place provincially, *May 2017*