

Siddarth Dagar, University of Toronto First Year

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Projects

- 2020 – 2020
- **e4 Chess Engine** An engine written in Google Colab using TensorFlow to simulate Robert James Fischer's play style.
 - **Personal Website** The editing, design and deployment of my personal website in JS, HTML and CSS hosted on Github Pages.
- 2018 – 2019
- **Project North Star** The building of an Augmented Reality headset and development (Unity) of applications on said headset.

Skills

- Languages ■ Java, Python, C++, C#, SQL, HTML, CSS, Vue.js,
- Platforms ■ Jupyter Notebook, Google Colab, Github, Unity3D, Overleaf, Azure
- Libraries ■ TensorFlow 2.0, Keras API, PyTorch, Anaconda

Education

- 2014 – 2020 ■ **High School Diploma, University of Toronto Schools** UTS Diploma.
- 2020 – 2024 ■ **Computer Science Specialist and Mathematics Major, University of Toronto** with a focus in A.I.

Research Publications

Journal Articles

- 1 **Dagar, S., Alizadeh, R., Wang, J., & Szeto, W. (2020).** 2020 national high school big data challenge: New climate and information realities - from oceans to glass of water. *Stem Fellowship*, 5, 1.
🔗 <https://doi.org/10.17975/sfj-2020-001>

Other Experience

Research

- 2020 ■ **Learning Spatio-Temporal Features with 3D Residual Networks for Action Recognition.** Testing and reproducing paper's findings in UTMIST with PyTorch.