

Aryaman Arora

+1 (912) 507 7832

✉ aa2190@georgetown.edu

📄 <https://aryamanarora.github.io/>

🌐 [aryaman-arora2020](#)

🐦 [aryaman2020](#)

📍 [aryamanarora](#)



Education

2020– **Bachelor of Science**, *Georgetown University*, Washington, D.C.

Majors: Computer Science and Linguistics

GPA: 3.945/4.00

2018–2020 **Diploma**, *School Without Walls High School*, Washington, D.C.

GPA: 4.34/4.00 (summa cum laude)

2019 **Dual Enrollment**, *George Washington University*, Washington, D.C.

Coursework: Linear Algebra I, Discrete Structures I

2017–2018 —, *Wyoming Seminary*, Kingston, PA.

2008–2017 —, *St. Andrew's School*, Savannah, GA.

Research

2019– **Undergraduate Researcher**, *NERT @ Georgetown University*, Washington, D.C.

Conducted new computational linguistics research resulting in several papers at top *CL conferences. Worked with Dr. Nathan Schneider and Ph.D. students of NERT (Nathan's Excellent Research Team). Research topics included:

- Annotation of adposition and case semantics in Hindi and English, as part of the CARMLS research group working on the SNACS annotation scheme;
- Grapheme-to-phoneme conversion of South Asian languages;
- Abstract Meaning Representation (AMR).

Other Experience

2020– **Cofounder**, *Washingtutors*, Washington, D.C.

<https://washingtutors.org/>

Founded a D.C. registered nonprofit (with Ananya Gulati) to provide free high-quality tutoring to over 50 D.C. Public School students as well as offer high school and college students in the area a community service opportunity during the coronavirus pandemic. Partnered with the GWU Nashman Center and the D.C. Public School system.

2018–2020 **Library Volunteer**, *D.C. Public Libraries*, Washington, D.C.

Completed 70 hours of community service.

2019 **Intern**, *X-Culture*, Greensboro, NC.

Supervised by Dr. Vasyl Taras at the University of North Carolina, Greensboro. Suggested international business strategies and entry mode for a new global market (Portugal) for the Brazilian client company OGG Business Solutions in a global virtual team.

Publications

Refereed

Aryaman Arora, Nitin Venkateswaran, and Nathan Schneider. 2021c. [SNACS annotation of case markers and adpositions in Hindi](#). In *Proceedings of the Society for Computation in Linguistics*, volume 4, pages 454–458, Online. Society for Computation in Linguistics.

Michael Kranzlein, Emma Manning, Siyao Peng, Shira Wein, **Aryaman Arora**, and Nathan Schneider. 2020. [PASTRIE: A corpus of prepositions annotated with supersense tags in Reddit International English](#). In *Proceedings of the 14th Linguistic Annotation Workshop*.

Aryaman Arora and Nathan Schneider. 2020. [SNACS annotation of case markers and adpositions in Hindi](#). In *Proceedings of the Second Workshop on Computational Research in Linguistic Typology*.

Aryaman Arora, Luke Gessler, and Nathan Schneider. 2020. [Supervised grapheme-to-phoneme conversion of orthographic schwas in Hindi and Punjabi](#). In *Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics*.

Aryaman Arora and John R. McIntyre. 2020. Quasi-passive lower and upper extremity robotic exoskeleton for strengthening human locomotion. In Anshu Saxena Arora, Sabine Bacouel-Jentjens, Mohamad Sepehri, and Amit Arora, editors, *Sustainable Innovation*. Palgrave Pivot.

Under Review

Aryaman Arora, Adam Farris, Samopriya Basu, and Gopalakrishnan R. 2021a. [Bhāṣācitra: Visualising the dialect geography of South Asia](#). In *Proceedings of the 2nd International Workshop on Computational Approaches to Historical Language Change*.

Preprints

Aryaman Arora and Ahmed Etebari. 2021. [Kholosi Dictionary](#).

Aryaman Arora, Nitin Venkateswaran, and Nathan Schneider. 2021b. [Adposition and case supersenses v1.0: Guidelines for Hindi–Urdu](#).

Service

2021– **Convener**, *Moli-maṇḍala*.

<https://aryamanarora.github.io/moli-mandala/>

Began an online South Asian linguistics reading group with over a dozen members.

2020– **Problemsetter**, *Panini Linguistics Olympiad*.

2017– **Administrator**, *English Wiktionary*.

Manage infrastructure (automatic pronunciation and inflectional table generation, transliteration algorithms) for and expand coverage of South Asian languages. Includes managing data for upstream NLP applications, such as the WikiPron project.

Natural languages

English Native speaker

Hindi–Urdu Native speaker

Native in Hindi, near-native in Urdu.

Punjabi	Intermediate	<i>Better at written than spoken.</i>
Mandarin	Learning	<i>Four years in high school, seeking further learning in college.</i>
Sanskrit	Learning	

Computer skills

Languages	Python, C++, JavaScript, R, Java	ML	PyTorch, scikit-learn
NLP Tech	BERT, Stanza	Web	jQuery, d3.js
Annotation	SNACS, AMR, UD	Markup	HTML + CSS, \LaTeX , Mark-down

Test scores

SAT	1580/1600
ACT	36/36