

# Yavuz Shahzad

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## Skills

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**Programming Languages:** Python, R, L<sup>A</sup>T<sub>E</sub>X.  
**Libraries and Frameworks:** Pandas, Scikit-learn, Flask, Seaborn, The Tidyverse, R Markdown.  
**Data Visualization:** Jupyter Notebook, Streamlit.  
**Developer Tools:** Git and GitHub, Microsoft Office Suite.  
**Non-technical:** Outstanding communication skills; strong collaborative skills and attention to detail.

## Education

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**McGill University** **Montreal, QC**  
*BA in Statistics, Minor in Psychology* *2022 - 2026*

- GPA: 3.62/4.0
- **Coursework:** Experimental Design, Statistical Learning, Honours Probability, Honours Analysis II, Honours Algebra II, Statistics.

## Awards and Honours

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**NSERC Undergraduate Student Research Award (\$8,800)** *Apr 2024*

- Granted by the Natural Sciences and Engineering Research Council of Canada (NSERC), the USRA was awarded for research under the supervision of Dr. Marie-Hélène Boudrias of McGill's BRAIN Lab.

**Dean's Honour List** *Apr 2022*

## Experience

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**Undergraduate Researcher** **Montreal, QC**  
*Brain Research and Imaging of Neurorehabilitation Lab: McGill University* *Jan 2022 – Sept 2024*

- Cleaned and analyzed data, conducted literature review, and drafted a soon-to-be-published manuscript about a novel treatment paradigm for those with chronic stroke.
- Received an award of \$8,800 to investigate the neural correlates of long-COVID. Analyzed  $\beta$ -burst characteristics in long-COVID patients using Python (Pandas, Scikit-learn).
- Served as a consultant to colleagues, refining analysis methodologies to ensure statistical rigor.

**Research Intern** **Boston, MA**  
*J. Philip Kistler Stroke Research Center: Harvard Medical School* *June 2022 – Aug 2022*

- Performed data abstraction from the medical records of over 200 patients. Study assessed the efficacy of left atrial appendage closure in preventing brain hemorrhages in atrial fibrillation patients.

## Community Involvement

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**Managing Editor: McGill Science Undergraduate Research Journal** *2022 - Present*

- Responsible for a team of four, lead MSURJ's outreach operations and ensure the longevity and reputation of the journal are maintained.
- Facilitate the peer review of manuscripts and ensure submissions are of publication quality.

**Council Member: SUMS McGill** *2023 - Present*

- Participate in and vote during the meetings of McGill University's Society of Undergraduate Mathematics and Statistics Students (SUMS).

## Work Eligibility

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**Citizenships:** USA, Canada, Turkey.