

David Pham

davidgortpham@gmail.com - [linkedin.com/in/david-gort-pham](https://www.linkedin.com/in/david-gort-pham)

Experience

Bilingual Data Analyst <i>Council of Ministers of Education, Canada (CMEC)</i>	Oct 2022 – Present
<ul style="list-style-type: none">Lead data analyst for the Pan-Canadian Indicators on Student Financial Assistance (PCISFA) project, working closely with 13 provincial and territorial partners to collect and analyze large-scale data, and deliver actionable insights on student financial aid programs.Design and maintain a national database with over 100+ indicators, improving reliability and automating data collection processes with Python (NumPy, pandas) and Excel, reducing manual workload by ~40%.Produce annual insight reports featuring Power BI dashboards, statistical tables, and trend analyses, translating complex findings into clear, evidence-based recommendations for policymakers and government officials.Conduct annual methodological reviews, including data testing, validation, and policy alignment to ensure consistency and accuracy across diverse data sources and evolving policy frameworks.	
Research Assistant (Statistics Education Developer) <i>University of Toronto Department of Statistical Sciences</i>	Jan 2022 – Apr 2022
<ul style="list-style-type: none">Planned and designed an interactive statistics-themed virtual escape room using R, collaborating with 30+ team members.Created educational content on statistical literacy and ethical practice, generating 3,500+ impressions and 400+ engagements.Coordinated scheduling, testing, and QA with faculty and research staff to ensure smooth release of content and delivery of the escape room.	
Research Assistant - Data Analyst <i>University of Toronto</i>	May 2021 – Sep 2021
<ul style="list-style-type: none">Analyzed 3000+ open-ended survey responses using Python and Excel, applying text processing techniques for a study on work, stress, and health during COVID-19Built statistical tables and data visualizations using R and Excel to communicate key insights for academic presentations and publication-ready materials.	

Education

Georgia Institute of Technology <i>MSc. Analytics (Computational Data Analytics Focus)</i>	Aug 2025 – Aug 2027
University of Toronto (St. George) <i>HBSc. Mathematics and Statistics Specialist</i>	Sep 2018 – Jun 2022

Technical Skills

Python (NumPy, pandas), R (dplyr, tidyverse, ggplot2, knitr), Excel, Power BI, Tableau, SQL, Git/GitHub

Projects

League of Legends Data Analysis – Smurf Detection & Ranked Progression	Project Link
<ul style="list-style-type: none">Analyzed ranked match data using R (dplyr, ggplot2) to model rank progression and identify smurfing patterns for a school project.Cleaned and merged multi-source datasets from the Riot API, and explored relationships between rank, experience, total games played, and performance.Wrote a structured analytical report interpreting statistical results and visualizations for technical and non-technical audiences.	
Independent Readings Course – Ethical Practice for Statisticians	Project Link
<ul style="list-style-type: none">Was selected to be 1 of 3 students to study statistical misuse in everyday media and scientific research.Wrote a 9-page RMarkdown report synthesizing academic sources and presented key insights in seminars.	