

ALINA YILDIR

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SUMMARY OF SKILLS

- **Data collection, organization, and cleaning:** Proficient in cleaning and structuring datasets using Python (pandas, NumPy) and R (dplyr, tidyr), ensuring high data quality for analysis.
- **Exploratory data analysis (EDA):** Skilled in discovering insights through EDA using Python (pandas, Seaborn, Matplotlib, Plotly, Folium) and R (ggplot2). Strong ability to create compelling data visualizations and apply critical thinking.
- **Statistical analysis and inference:** Expertise in statistical modelling, hypothesis testing, and probability theory using R (mosaic, ggplot2), with extensive experience in regression analysis and model selection.
- **Machine learning and predictive modelling:** Applied knowledge of machine learning algorithms, including decision trees, random forests, boosting, and deep learning with Python (scikit-learn, TensorFlow), focused on model optimization and evaluation.
- **Big data and cloud computing:** Experienced in leveraging cloud platforms (AWS) for distributed computing, utilizing SQL and NoSQL systems for efficient data processing and storage at scale.

EDUCATION

Master of Data Science and Analytics University of Calgary, Alberta	Sep 2024 - Present
Ontario College Diploma (Hons) in Internet Applications and Web Development (GPA: 3.99/4.00) Algonquin College of Applied Arts and Technology, Ottawa, Ontario	Sep 2016 - Jun 2019
Master of Science (Hons) in Chemistry (avg. grade: 94.25/100) Vinnytsia Mykhailo Kotsiubynskyi State Pedagogical University, Ukraine	Sep 2012 - Jun 2013
Bachelor of Science (Hons) in Chemistry (avg. grade: 91.33/100) Vinnytsia Mykhailo Kotsiubynskyi State Pedagogical University, Ukraine	Sep 2008 - Jun 2012

RECENT CERTIFICATES

Certificate in Artificial Intelligence (avg. grade: 98/100) University of Toronto School of Continuing Studies, Ontario	Jan 2022 - Oct 2024
Certificate in Data Science (avg. grade: 99.5/100) University of Toronto School of Continuing Studies, Ontario	Jun 2021 - Oct 2022

EMPLOYMENT EXPERIENCE

Communications Officer

Jan 2018 - Aug 2018, Sep 2020 - Aug 2024

Health Canada, Ottawa, Ontario

- Developed and maintained WCAG 2.1 AA-compliant web pages on Canada.ca using Adobe Experience Manager, HTML, and Web Experience Toolkit, reinforcing the government's commitment to inclusivity and accessibility for all citizens.
- Created WCAG 2.1 AA-compliant PDF forms using Foxit, enhancing user experience and supporting the mission of equal access to information.

Web Developer

Mar 2019 - Sep 2019

OPIN, A Portage CyberTech Company, Ottawa, Ontario

- Developed and maintained Drupal websites compliant with WCAG 2.1 AA standards, including [Holland Bloorview](#), [Hydro Ottawa](#), and [York Region District School Board](#), concentrating on usability to promote easy access and interaction with site features.
- Produced efficient, well-tested, refactored, documented, maintainable, and extendable HTML, CSS, JavaScript, and PHP code, improving overall site functionality and user engagement.

Doctoral Researcher

Nov 2013 - Mar 2016

A. V. Dumansky Institute of Colloid and Water Chemistry, National Academy of Sciences of Ukraine

- Collected and prepared data for analysis, ensuring accuracy, completeness, reliability, relevance, and timeliness, significantly elevating the quality of research findings and optimizing project deliverables.
- Conducted advanced statistical analyses, generating actionable insights that contributed to the successful development of two patents.
- Developed comprehensive data visualizations and analytical reports using R and ggplot2, ensuring that research findings were easily interpretable for grant proposals and academic publications.
- Published research in peer-reviewed journals and presented findings at international conferences, resulting in increased citations and broadening the impact of the research findings.

RECENT AWARDS

2023 Assistant Deputy Minister's Merit Award – Collaboration and Service Excellence

Jun 2024

Health Canada, Ottawa, Ontario

Recognized for exceptional collaboration and service delivery within or outside the Branch.

2023 Assistant Deputy Minister's Merit Award – Contribution to the Improvement of the Health of Canadians

Jun 2024

Health Canada, Ottawa, Ontario

Acknowledged for making a significant contribution to improving the health of Canadians.

COVID-19 Commemorative Coin

May 2023

Public Health Agency of Canada, Ottawa, Ontario

Awarded for support and contribution to Canada's COVID-19 response efforts.