ALINA YILDIR

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SUMMARY OF SKILLS

- **Data Engineering and Big Data:** Proficient in data manipulation with **Python (pandas, NumPy)**, **R (dplyr, tidyr)**, and **SQL**. Experienced with **Google BigQuery** for large-scale analytics, ensuring data accuracy and delivering high-performance, scalable solutions.
- **Exploratory Data Analysis:** Skilled in deriving insights and creating impactful visualizations with **Python (pandas, matplotlib, seaborn, plotly)**, **R (ggplot2, dplyr, tidyr)**, and **Tableau**.
- **Statistical Analysis and Inference:** Expertise in statistical modelling and hypothesis testing with **Python (SciPy, statsmodels)** and **R**, supporting robust analysis and data-driven decisions.
- **Machine Learning:** Proficient with machine learning algorithms using **Python (scikit-learn, TensorFlow, Keras, XGBoost)**, emphasizing model optimization and evaluation.
- **Attention to Detail and Quality Assurance:** Dedicated to rigorous data validation and quality control, ensuring accuracy, consistency, and reliability throughout analysis and reporting.

RECENT EDUCATION

Master of Data Science and Analytics — Sep 2024 - Present
University of Calgary, Alberta

Ontario College Diploma (Hons) in Internet Applications and Web Development — Sep 2016 - Jun 2019
Algonquin College of Applied Arts and Technology, Ottawa, Ontario

RECENT CERTIFICATES

Certificate in Artificial Intelligence — 2024
University of Toronto School of Continuing Studies, Ontario

Certificate in Data Science — 2022
University of Toronto School of Continuing Studies, Ontario

EMPLOYMENT EXPERIENCE

Communications Officer — Sep 2020 - Aug 2024
Health Canada, Ottawa, Ontario

- Developed and maintained over 500 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 millions of citizens.
- Created 50+ WCAG 2.1 AA-compliant PDF forms using Foxit, significantly enhancing user experience and supporting the mission of equal access to information.
- Facilitated cross-functional team discussions, leveraging collaborative communication to efficiently align efforts and consistently meet project deadlines, achieving a 100% on-time completion rate.

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](#), focusing on usability to promote easy access and interaction with site features, serving over 300,000 users monthly.
- 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 across 5 research projects, generating actionable insights that contributed to the successful development of 2 patented devices.
- Developed comprehensive data visualizations and analytical reports using R, ensuring that research findings were easily interpretable for grant proposals and academic publications.
- Presented findings at over 10 international conferences and published 3 research papers in peer-reviewed journals, resulting in increased citations and broadening the impact of the research.

RECENT AWARDS

2023 Assistant Deputy Minister's Merit Award – Collaboration and Service Excellence 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 2024

Health Canada, Ottawa, Ontario

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

COVID-19 Commemorative Coin 2023

Public Health Agency of Canada, Ottawa, Ontario

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