ALINA YILDIR

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SUMMARY OF SKILLS

- **Data Wrangling and Preprocessing:** 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**), **Tableau**, and **Power BI**.
- **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.