ALINA YILDIR

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SUMMARY OF SKILLS

- **Data Engineering and Big Data:** Proficient in data manipulation using Python (Pandas, NumPy), R (dplyr, tidyr), and SQL, with expertise in Google BigQuery for large-scale analytics and impact analysis, ensuring data accuracy and delivering scalable, high-performance 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 packages for modeling and hypothesis testing using Python (SciPy, Statsmodels) and R, enabling robust analysis and data-driven decision-making.
- **Machine Learning:** Proficient with machine learning algorithms using Python (Scikit-learn, TensorFlow, Keras, XGBoost), emphasizing model optimization and evaluation.
- **Problem-Solving and Communication Skills:** Committed to effective issue resolution and clear, concise communication, ensuring insights are accessible, actionable, and aligned with stakeholder needs throughout analysis and reporting.

RECENT EDUCATION

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

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

RECENT CERTIFICATES

Certificate in Artificial Intelligence　　　　　　　　　　　　　　　Jan 2022 - Oct 2024
University of Toronto School of Continuing Studies, Canada

Certificate in Data Science　　　　　　　　　　　　　　　　　　　Jun 2021 - Oct 2022
University of Toronto School of Continuing Studies, Canada

EMPLOYMENT EXPERIENCE

Communications Officer　　　　　　　　Jan 2018 - Aug 2018, Sep 2020 - Aug 2024
Health Canada, Ottawa, Canada

- 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, Canada
- 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, Kyiv, 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 projects, generating actionable insights that contributed to the successful development of 2 patents.
- Developed comprehensive data visualizations and analytical reports using R, ensuring that research findings were easily interpretable for grant proposals and academic publications.
- Published 5 research papers in peer-reviewed journals and presented findings at over 15 international conferences, resulting in increased citations and broadening the impact of the research.

RECENT AWARDS

2023 Assistant Deputy Minister's Merit Award – Collaboration and Service Excellence   Jun 2024
Health Canada, Ottawa, Canada
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, Canada
Acknowledged for making a significant contribution to improving the health of Canadians.

COVID-19 Commemorative Coin   May 2023
Public Health Agency of Canada, Ottawa, Canada
Awarded for support and contribution to Canada's COVID-19 response efforts.