

Maham Hasan

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Technical Skills:

Programming Languages: C/C++, Python, HTML/CSS, Java, SQL

Team Development: Scrum, Pair programming, Agile and Paper Prototyping

Software & Operating Systems: Git, Microsoft Office, Jira, Virtual Box, Windows OS, Mac OS, Linux (Ubuntu & Debian), Jupyter Notebooks, Hadoop, Cognos, Tableau

Technical Work Experience:

Data Science Intern

Government of Canada, Measurement Canada, Ottawa ON

May 2019 – August 2019

- Formatted, cleaned and filtered large datasets with over a million records of Measurement Canada's inspection data using Python, SQL and Hadoop MapReduce processing
- Analyzed and developed data visualizations using Python Matplotlib libraries and Cognos to create user friendly reports and presentations for managers to present data to key stakeholders
- Automated excel tasks using Python's Pandas dataframes and Openpyxl to conduct automated calculations of Measurement Canada's calibration data, speeding up reporting time
- Analyzed data requirements, data dictionaries and database schemas while developing documentation for further analytics

IT Analyst

University of Guelph, Guelph, ON

September 2017 – April 2019

- Troubleshooting and repairing computers ensuring up to par performance on machines in the IT infrastructure team
- Constructed a Python script to collect statistics of a computer's CPU usage and automated parsing of CSV files used for updating inventory records that speed up inventory update times by 200%
- Managed, transferred, and maintained pre-existing website databases to newly formed website
- Tested and validated thousands of data submissions in Oracle databases using Jupyter Notebooks

Data Analyst Co-op – Cyber Resilience Team

CIBC, Toronto ON

May 2018 – August 2018

- Analyzed sensitive data for the Data Loss Prevention (DLP) team, and reported suspicious activity to teams accordingly while ensuring proper protocol was followed
- Lead Lines of Business engagement to identify critical information that needs to be protected that ensured data privacy and security
- Identified and reported any data issues to improve and update DLP processes and best practices

Education:

Bachelor of Computing, Software Engineering & Minor in Media and Cinema Studies

2016 – Present

University of Guelph, Guelph ON

Expected graduation 2021

Community Engagement & Volunteer Experience:

President, Media and Cinema Studies Society

April 2019 – Present

Director of Relations, Media and Cinema Studies Society

July 2018 – April 2019

Active Member, Guelph Women in Computer Science

January 2018 – Present

Attendee, PyCon Canada 2018

November 2018

Workshop Conductor, Girls Make Games

January 2018