

Maham Hasan

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Technical Skills:

Programming Languages & Web: C, Python, Java, SQL, Javascript, HTML/CSS

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

Software & Operating Systems: Git, Jira, Windows OS, Mac OS, Linux (Ubuntu & Debian), Jupyter Notebooks, Hadoop, Cognos, Tableau, Figma, AWS S3, AWS Lambda, AWS CloudWatch

Technical Work Experience:

Software Developer Intern

Western Digital, Ottawa, ON/Remote

May 2020 – August 2020

- Used Amazon Web Services such as Lambda and S3 buckets to develop and deploy a serverless web application called Similar Photos that creates API requests for comparing images based on similar characteristics
- Used Javascript and HTML/CSS grids to create a visually appealing frontend for Similar Photos web application
- Learnt about software development process by gathering requirements, creating a prototype and developing app
- Created and presented final project to department for further evaluation and questioning about the application

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 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
- Collaborated with team members to analyze data requirements, data dictionaries and database schemas while developing documentation for further analytics

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:

Speaker, Girl Start Camp

July 2020

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