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, Linux (Ubuntu & Debian), Jupyter Notebooks, Hadoop, Cognos, Tableau, Figma, AWS S3, AWS Lambda, AWS CloudWatch

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 hundreds of API requests for comparing images based on similar characteristics
- Created visually appealing frontend using Javascript and HTML/CSS grids for Similar Photos web app
- Navigated all stages of software development including 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 authoring 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
- Lead Lines of Business engagement to identify critical information needed to ensure 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*