Tess Gompper

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EDUCATION

B.A. Computer Science   Aug 2020 – Jun 2024 | Montreal, Canada
McGill University
- GPA: 3.92/4.00
- Dean's Honours List (top 10% of Arts Faculty Graduating class)
- Communication Studies Minor
- Extracurriculars: Women in Computer Science (VP Events - Community), Figure Skating Team (VP Events, Captain)

EXPERIENCE

84.51° 🔗   Chicago, IL
Software Engineer - Database Administrator   June 2024 – Present
- Managed databases while providing daily and 24/7 on-call support to users in an Agile environment as part of the Database Technologies team
- Owned the improvement of the company's Snowflake database security posture by creating and applying network access policies to 100% of Snowflake users and service users
- Collaborated closely with teams to support them in their efforts to replace passwords with OAuth and RSA Key Pairs as an increased security measure
- Automated 6+ security processes using Azure and Terraform integrations to ensure Snowflake users created in the future meet our security standards
- Supported Snowflake Data Clean Room initiatives by creating thorough documentation, managing Role Based Access Control, and executing privileged actions such as creating Delta Lake integrations to efficiently bring 84.51° into Snowflake to share with clients via the clean room
- Designed monitoring dashboards and alerts that run 2 times weekly using Datadog's Snowflake integration for teams to track query spillage and identify low-performing queries to optimize
- Implemented real-time email alerts and event tracking using procedures, tasks, and dashboards within Snowflake using SQL, Python, and Javascript to alert DBAs to failed logins, high volumes of failed queries, and query spillage
- Planned company-wide social events with the 84.5FUN committee, participated in 2 rounds of peer mentoring through the Women in Tech people-led group, and joined the Responsible AI reading and discussion group as an inaugural member

Data Engineer Intern   May 2023 – Aug 2023
- Debugged a Campaign Measurement data ingestion pipeline using Pyspark, Databricks, and Azure Data Factory to identify and resolve a pervasive rounding error, automated the restatement of 50+ affected campaigns, and validated new measurements
- Developed a single, exportable table report using SQL, Snowflake and PowerBI for internal teams to track performance metrics such as average return on advertising spend and household penetration, of various ad campaigns

Software Engineer Intern   May 2022 – Aug 2022
- Collaborated with the Data Observability team to contribute thorough documentation of 4 categories (open source, completeness, numerical accuracy, and overall quality) of data quality checks
- Utilized Python and Pyspark to develop 10+ data quality checks for internal company use, and designed an extensive abstract check template to simplify the process of check creation for external team engineers

PROJECTS

McGill PULS Council Website   Nov 2023 – Dec 2023
- Utilized the MERN Stack (MongoDB, Express, React, Node.js), HTML, Javascript, CSS to develop a new website for the McGill Physiology Undergraduate League of Students Council for an end-of-term group project with 2 other students
- Implemented token-based user authentication with separate public and administrator views and capabilities to allow 20 council members to make additions to the blog and calendar without changing the source code

SKILLS

Programming Languages: Java, Python, SQL, C, C++, Bash, JavaScript, HTML, CSS, OCaml
Data & Cloud Technologies: Snowflake, Databricks, Microsoft Azure, Azure Data Factory
Databases: Oracle Exadata, MonetDB, SQL Server, PostgreSQL, MongoDB, Cassandra
Development & DevOps Tools: Terraform, Git, VSCode, Jira, Oracle SQL Developer
Monitoring & Analytics: DataDog, Power BI
Frameworks & UI Tools: React, Android Studio, Figma
Methodologies: Agile