Shervan Gheidi

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EDUCATION:

B.S. in Mathematics and Computing Science Sept. 2016 – present
Simon Fraser University, BC

SKILLS:

- **Languages:** C, C++, Python, C#, SQL, PHP, JavaScript, HTML5, CSS3, SASS
- **Web Frameworks & Technologies:** React.js, Material-UI, Electron.js
- **Software & Libraries:** TensorFlow, Pandas, Sci-kit Learn, OpenCV (C++, Python), OpenMP, OpenGL, SQL Server, MySQL
- **Operating Systems:** Windows, Linux (Ubuntu)
- **Tools:** Git, Docker, Bash, PowerShell, AWS (Lambda, S3, API Gateway, Redshift, DynamoDB, CloudFormation, SAM, SageMaker, SES)
- **Process:** Agile, Scrum

EXPERIENCE:

TC Energy
Jan. 2020 – Dec. 2020

Data Science & Machine Learning Intern

- Wrote several ETL scripts in Python/Pandas that queried, cleaned, and manipulated data from various sources (SQL Server, Redshift, S3) with data sizes up to > 1 million rows.
- Worked in team to build an internal platform that automated the manual data extraction & prediction processes used for TC's pipelines. Used several AWS services such as Lambda, Redshift, CloudFormation, SageMaker and S3 to help build the cloud infrastructure needed for the project.

Canadian National Research Council (CNRC)
Jan. 2019 – Aug. 2019

Full-Stack Developer Intern

- Developed web platform prototype that allows users to input data obtained through experiments or scientific research. Used JavaScript, PHP, and MySQL for several features such as user account login, platform dashboard, data upload, real-time statistics, and a data management system.
- Automated data extraction from PDF documents by using Python libraries such as PDFMiner & PyPDF.
- Planned platform's system architecture using flowcharts (Draw.io) and wrote platform documentation.

COMPLETED COURSE HIGHLIGHTS:

- Data Communications and Networking (CMPT 371)
- Multimedia Systems (CMPT 365)
- Algebra II: Rings and Fields (MATH 340)
- Numerical Analysis I (MACM 316)