CAMILO SALAZAR

DATA SCIENTIST

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PROFILE

With an academic background in Physics, Mathematics, and Computer Science, I've always maintained a curious mindset for understanding how the world works.

To complement my education, I've up-skilled in data science. It enables me to unveil hidden insights and solve complex problems.

I am eager to apply all my capabilities and experience in a new career as a data scientist, leveraging my quick comprehension of complex ideas and enthusiasm to drive impactful solutions.

SKILLS

Python, SQL, MATLAB, LaTex, Machine Learning in TensorFlow, Scikit-learn, PyTorch, Microsoft Office, Tableau, R, Git, AWS, Spark, Hadoop, Hive, Java

EDUCATION

BrainStation |

Diploma, Data Science
SEP 2023 - DEC 2023,
VANCOUVER, BC

University of British Colombia | Bachelor of Science - Physics and Astronomy
SEP 2015 - MAY 2019,
VANCOUVER, BC

EXPERIENCE

Associate Lab Technician | Element Materials Technology

MAY 2021 - AUG 2023, VANCOUVER, BC

- Received consistent positive client feedback for exceptional sample handling, testing, and communication in a high-volume lab, boosting customer satisfaction and retention.
- Implemented streamlined procurement procedures, reducing order times and improving inventory tracking, resulting in faster client result delivery.
- Provided training and mentorship to new team members, resulting in a more efficient and knowledgeable laboratory staff.

Research Student | UBC, 2D Material Research Group

JAN 2018 - SEP 2018, VANCOUVER, BC

- Successfully contributed to the production of topological insulators by optimizing the exfoliation and storage of various 2D materials, resulting in a 20% increase in production efficiency.
- Played a pivotal role in implementing automation processes of single-layer graphene identification through light analysis software, reducing the time by 30% and enhancing overall research efficiency.
- Developed lab manuals and meticulous experiment records for efficient research tracking and data integrity.

Academic Coordinator | The UBC Astronomy Club

SEP 2016 - MAY 2018, VANCOUVER, BC

- Coordinated lectures with Astronomy and Physics professors, optimizing lecturer selection, event planning, and social media promotion, resulting in a 20% increase in event participation and enhanced attendee engagement.

PROJECTS

Student | Book Recommender

NOV 2023, BrainStation Capstone

- Developed a sophisticated book recommender system by analyzing data from 10,000 books, 5.97 million user ratings, and 5,045 content tags to provide highly accurate book recommendations.
- Fine-tuned a collaborative filtering book recommender model using Funk SVD, optimizing hyperparameters for enhanced performance.
- Integrated content filtering recommendations to create a robust hybrid recommender system, thus enhancing the precision and personalization of book recommendations for users.

Research Student | PET Scan Imaging and Enhancement

NOV 2018, UBC Lab Project

- Designed Python code to recreate 3D intensity images using data from multiple PET scans captured at various angles.
- Generated nine images, each containing approximately 40,000-200,000 data points, improving data prediction and enhancing reconstructed images.
- Utilized Curve Fitting and Interpolation techniques to boost image resolution.