

Shawn Gabriel Intong

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Education

University of British Columbia
BS in Geophysics

Sept 2023 – May 2027
Dean's List

- GPA: 3.54/4.00
- **Coursework:** Quantitative Groundwater Hydrology, Computer Methods in Earth, Ocean and Atmospheric Sciences, Introduction to Data Science, Elementary Statistics for Applications, Calculus III, Matrix Algebra

Experience

Student Tutor

Central Java Province Education and Culture Service

Semarang, Indonesia

Aug 2024 – Aug 2024

- Reviewed 10+ sets of international prepped Earth Science questions to prepare students for Olympiads
- Tutored and mentored students for the 2024 National Science Olympiad, held by the Ministry of Education, Culture, Research, and Technology, which saw participation from 22,000+ high-school students

Student Tutor

SMA Pradita Dirgantara

Boyolali, Indonesia

Jan 2023 – May 2023

- Developed a comprehensive set of 100+ Earth Sciences questions to prepare students for Olympiads
- Led and mentored students for the 2023 National Science Olympiad, held by the Ministry of Education, Culture, Research, and Technology, which saw participation from 20,000+ high-school students

Projects

3D Mesh Surface Reconstruction From Point Clouds

[github.com](#) 

- Surface mesh reconstruction from 3D ultrasound scans of steel pipes, ensures increased accuracy in measurements crucial for non-destructive testing tasks such as defect identification and characterization.
- Tools Used: TensorFlow, NumPy, PyTorch, SimpleITK, Matplotlib, scikit-image, SciPy, OpenCV, Pandas

YouTube Trending Data Analysis

[github.com](#) 

- Concluded thorough data analysis to provide insights for executive decision making, relevant to the top YouTubers and stakeholders within the company
- Tools Used: PySpark, SparkSQL, Regex, Pandas

FlexField Fitness Partnership Data Analysis

[github.com](#) 

- Concluded best partnership solution through data-driven decisions for FlexField Fitness who has been lacking in brand loyalty and popularity
- Tools Used: NumPy, Pandas, Seaborn, Matplotlib

Honors & Awards

2nd Place of UBC Data Science Club x DarkVision Computer Vision Hackathon

- DarkVision is a British Columbia-based company that develops and sells industrial imaging technologies

Indonesia Maju Scholarship Awardee — Ministry of Education, Culture, Research, and Technology

- Approximately more than CAD \$70,000/year under the Indonesia Endowment Fund for Education (LPDP)

Best Data Analytics Award of UBC BOLT's Data Analytics Case Competition

- Performed in-depth data analysis to provide solutions for a company declining in customer loyalty and sales

Summary of Qualifications

Libraries & Technologies: NumPy, Pandas, Scikit-Learn, PyTorch, TensorFlow, Keras, Hugging Face, PySpark, Jupyter Notebook, Git, GitHub, R Language, tidyverse, SQL, QuickSight, PowerBI, SimpleITK, OpenCV

ML & DL Models: Neural Networks (CNN, R2 U-Net, RNN), KNN/Logistic/Linear Regression, Random Forest, Clustering.