

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:** Introduction to Data Science, Elementary Statistics for Applications, 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](#) 

- Provided insights for executive decision making, relevant to YouTubers and stakeholders within the company
- Tools Used: PySpark, SparkSQL, Regex, Pandas

Netflix QuickSight Data Analysis

[github.com](#) 

- Created an interactive analytics dashboard to provide insight into trends in the production and release of movies and TV shows.
- Tools Used: S3, QuickSight

FlexField Fitness Partnership Data Analysis

[github.com](#) 

- Concluded best partnership solution through data-driven decisions for FlexField Fitness
- 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, S3, PySpark, Jupyter Notebook, Git, GitHub, R Language, tidyverse, SQL, QuickSight, PowerBI, SimpleITK, OpenCV, Python