Shawn Gabriel Intong

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Education

University of British Columbia   *Sept 2023 – May 2027*
BS in Geophysics   *Dean's List*

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

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

Azure Data Pipeline: End-to-End Big Data Engineering and Analytics   *github.com* ↗

- ◦ Built an end-to-end data pipeline to automate data ingestion, transformation, and warehousing, optimizing workflows for big data solutions and real-time analytics.
- ◦ Tools Used: Azure Data Factory, Databricks, Apache Spark, Azure Synapse Analytics, PySpark, Power BI

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

Summary of Qualifications

Libraries & Technologies: NumPy, Pandas, Scikit-Learn, PyTorch, TensorFlow, Keras, S3, PySpark, Jupyter Notebook, Git, R Language, tidyverse, SQL, Kubernetes, QuickSight, PowerBI, SimpleITK, OpenCV, Python

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 that is declining in customer loyalty and sales

1st Place of Sepuluh Nopember Institute of Technology's 2022 Geolympic

- ◦ Solving problems, running a group data analysis, and presentation using the Holt-Winters algorithm on topics related but not limited to Geology, Geophysics, Oceanography, Meteorology, and Astronomy.

Silver Medalist of 2022 National Science Olympiad on Earth Science

- ◦ Placed 14th out of 21560 students nation-wide. Solving problems and doing data analysis using Microsoft Excel on topics related but not limited to Geology, Geophysics, Oceanography, Meteorology and Astronomy.

Silver Medalist of 2022 Geoscience and Geography Olympiad on Geoscience

- ○ Solving problems and doing data analysis using virtual softwares on topics related but not limited to Geology, Geophysics, Oceanography, Meteorology and Astronomy.

Experience

Student Tutor   *Semarang, Indonesia*
Central Java Province Education and Culture Service   *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   *Boyolali, Indonesia*
SMA Pradita Dirgantara   *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

Student Tutor   *Remote*
Intereas Education   *Oct 2022 – Jan 2023*

- ○ Created and delivered 5+ detailed Earth Sciences presentations to help students excel in Olympiads.
- ○ Provided tutoring and mentorship for the 2023 National Science Olympiad, with 20,000+ high school students participating nationwide.

Student Tutor   *Remote*
Mandiri KSN Education   *Oct 2022 – Dec 2022*

- ○ Created and delivered 5+ detailed Earth Sciences presentations to help students excel in Olympiads.
- ○ Provided tutoring and mentorship for the 2023 National Science Olympiad, with 20,000+ high school students participating nationwide.

Volunteer Experience

Dawson Club – Social Media Coordinator

- ○ Managed and scheduled regular posts on Instagram maintaining consistency and boosting follower growth
- ○ Created visually appealing content using Canva, including graphics and event promotions, to attract new members.

Class Representative Assembly – Executive Member

- ○ Enhanced leadership skills by overseeing multiple committees, mentoring junior members, and encouraging team participation in decision-making.
- ○ Achieved measurable success in leadership roles, balancing academic responsibilities while ensuring excellence in extracurricular activities.

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Licenses & Certifications

Generative AI Explorer - Vertex AI

- ○ Issued by Google

Managing Kubernetes in Google Cloud

- ○ Issued by Google

Microsoft Office Specialist: Microsoft Office Excel 2019

- ○ Issued by Microsoft