Shawn Gabriel Intong

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🐙 ShawnGabriel   🔗 Shawn Intong's Website

Education

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

- GPA: 3.3/4.0
- **Coursework:** Quantitative Groundwater Hydrology, Computer Methods in Earth, Ocean and Atmospheric Sciences, Topics in the Earth and Planetary Sciences, Elementary Statistics for Applications, Calculus III

Experience

Student Tutor   *Semarang, Indonesia*
Central Java Province Education and Culture Service   *Aug 2024 – Aug 2024*

- Reviewed and analyzed 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

Projects

3D Mesh Surface Reconstruction From Point Clouds   *github.com* ↗

- Surface mesh reconstruction from 3D volumetric data, in this case, ultrasound scans of steel pipes, in order to detect defects within them
- 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, Pandas

Honors & Awards

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

- Granted the opportunity of an office tour from DarkVision

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

- Approximately more than CAD $70,000/year

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

Silver Medalist of 2022 National Science Olympiad on Earth Science (14th out of 21560 Students)

- Solving theoretical problems and performing data analysis using Microsoft Excel and other tools on topics related but not limited to Geology, Geophysics, Oceanography, Meteorology and Astronomy