Shawn Gabriel Intong

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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 across Indonesia

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 across Indonesia

Projects

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

- Developed an electronic classroom where multiple users can simultaneously view and draw on a "chalkboard" with each person's edits synchronized
- Tools Used: TensorFlow, NumPy, PyTorch, SimpleITK, Matplotlib, scikit-image, SciPy, OpenCV, Pandas

Honors & Awards

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

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

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

- Approximately more than CAD $70,000/year, and as part of the scholarship, the MoECRT of Indonesia is responsible for the expenses including tuition fees, living costs (including housing), insurances and other related expenditures during my university study.

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

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

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

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