

AMANDA SYAMSUL

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EDUCATION

- **BSc. in Geophysics with Honors, Minor in Applied Math** — expected May 2023 (major GPA: 3.82)
University of Washington (UW), Seattle, WA *2019 - present*

PROFESSIONAL SKILLS

Specialized coursework: Geomechanics, Geobiology, Applied Linear Algebra, Ordinary Differential Equations

Computer Skills: ArcGIS, Python, R, MATLAB, Google Earth, ENVI, RiCSAN PRO, MetashapePRO

WORK EXPERIENCE

- **Outreach — Pacific Northwest Seismic Network** *June 2022 - present*
Answering earthquake questions from the general public, hosting visiting groups in the seismology lab, engaging with the public at local outreach events, and communicating current information about significant earthquakes in Washington and Oregon
- **Student Assistant (Fly Chef) — Genome Sciences UW • Pallanck Lab** *Jan 2020 - present*
Assisted researchers by preparing sustenance for *D. melanogaster* that consisted of food ingredients, acids, and alcohols using lab machinery
- **Student Office Assistant Operations Team — Genome Sciences UW • Admin** *March 2020 - June 2022*
Managed front reception desk, e-procurement for lab apparatus and materials, organized records retention, managed check-out system of equipment
- **Student Assistant — UW Surplus Warehouse** *Feb - April 2020*
Organized University of Washington surplus and handled data entry, removed hard drives from computers and switches, and provided exceptional customer service while assisting customers in surplus store
- **Glass Washing Assistant — Genome Sciences UW • Pallanck Lab** *Nov 2019 - Nov 2020*
Maintained full stocks of clean lab apparatus to meet expected lab demands, which involved autoclaving, bleaching, scrubbing, and soaking with attention to detail

INTERNSHIPS

- **Matanuska Glacier Park** — Glacier View, AK *June - Sept 2021*
Guided tourists on a 3-mile glacier hike multiple times a day while navigating glacial terrain, ensuring safety of tourists or researchers and teaching them about glacial features and history. Carried out trail work to maintain a safe route and conducted routine checks on paths. Provided first aid during emergencies and injuries that occurred on the glacier

PRESENTATIONS

- **Syamsul A., Lipovsky B.P.** — A global correlation between surface mass loading and seismic activity. Poster presented at: 2021 American Geophysical Union Fall Conference; New Orleans, LA *Dec 2021*
- **Syamsul A., Lipovsky B.P.** — Surface Load Induced Earthquakes. Oral presentation at: UW Undergraduate Research Symposium 2022; Seattle, WA *May 2022*

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AWARDS

- **UW College of the Environment Travel & Meeting Award** *Dec 2021*
- **Afton Woolley Crooks & James William Crooks Endowed Scholarship in Geological Sciences** *May 2022*
- **Julian D. and Marajane Barksdale Endowed Fund and the Joseph A. Vance Endowed Student Support Fund** *May 2022*

SERVICE AND OUTREACH

- **College of the Environment Student Advisory Council for Dean's Office** *2022-2023*
 - Undergraduate representative for the Department of Earth and Space Sciences provide communication pathways between student communities and the Dean's Office, recommendations on issues such as college-level budgets, new initiatives, policies, and planning that affect students such as admissions, curriculum, and DEI
- **Rockin' out Summer Camp** — Seattle, WA *July 2022*
 - Hosted summer camp for a group of K-12 students with autism on campus
 - Taught lessons and ran hands-on demos on earth and space topics
- **Weekly mutual aid for unhoused community** — Seattle, WA *2020 - 2022*
 - Prepared and distributed home cooked meals, sanitation supplies, and community needs
- **Weekly Education Program** — Kuala Lumpur and Seremban, Malaysia *2018 - 2019*
 - Created syllabus and teaching materials for young Rohingya refugees who could not afford local schools, fundraised for their meals, taught weekly classes in Math, Science, and Arabic
 - Developed learning plan and taught local 5-9 year old children to read on the weekends
- **Construction of Water System for Indigenous Village** — Selangor, Malaysia *2018*
 - Carried 3-ft long water pipes weighing over 600 lbs. through forest with team
- **Healthcare and Housing Project** — Kampung Chumnik, Cambodia *2017 - 2018*
 - Elected as team leader of the project: in charge of planning and delegating tasks
 - Organized and conducted year-long fundraising activities to construct housing, provided villagers with medication and monetary aid, assisted minor surgeries (under licensed doctoral supervision)