

ARIANAJOY G. DE CASTRO

UNIVERSITY OF WASHINGTON BOTHELL STUDENT

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ABOUT ME

I'm passionate about innovating, evolving, and building in the tech industry, with people from a diverse range of backgrounds. In my free time I love reading, playing piano, and learning new languages.

EDUCATION

University of Washington Bothell:
Applied Computing, Business
Analytics and AI

2025 - Present, 3.96 GPA

Raisbeck Aviation High School

2021 - 2025, 3.97 GPA

WORK

DRS Scribe - In & Out of School
Support

2026 - Present

SKILLS

- Coding - Java, JavaScript, Python
- Visual Design - Figma, Canva
- Data Management - Excel,
- Polyglot (English, Tagalog, Korean, Japanese)
- Time-Management, Adaptability, Team-Player

VOLUNTEERING

St. Peter's Parish Lead Pianist
2019 - Present

Science Olympiad President,
Secretary
2021 - 2025

Technology Student Association Vice
President
2024 - 2025

iUrbanTeen Intern, VOICES Intern
2025

PROJECTS

2026 **AI AND RENEWABLE ENERGY: WIND TURBINES**

Created an AI model to classify images using Convolutional Neural Networks (CNNs) to detect faulty wind turbine blades. Compared results to other pre-built models to determine which was best.

2026 **MICRO DESIGN CHALLENGE (HANNAN UNIVERSITY)**

Applied design thinking, user-centered problem solving, and rapid prototyping to address a real-world industry challenge in partnership with The Robotics. Worked with an interdisciplinary and international team in Korea.

2026 **RO-RADAR (HACKATHON SUBMISSION)**

Developed an application that allows parents to check the safety of their children on the online game Roblox, using a custom-made risk assessment model, public Roblox API metadata, and community-sourced discussions on games.

2023-2024 **CLUBCENTRIC**

Designed and co-founded an organizational application for an all-in-one club management system, implemented as a non-profit educational software

2023 **KING COUNTY INTERNATIONAL AIRPORT SUSTAINABLE FUEL PROJECT**

Crafted a document and presentation displaying research and an innovative solution for decreasing carbon emissions using Sustainable Aviation Fuels, presented to KCIA staff

AWARDS

UWB Hackathon Winner
2026

The Hubble Award - Raisbeck Aviation
High School
2025

Career and Technical Education
Student of the Year
2024 - 2025

James D. Raisbeck Legacy Award
2024

Apollo Award
2022 - 2025

Rights Stuff Award
2021, 2022, 2024

Science Olympiad State 2nd Place
Experimental Design
2025

Student of the Month - Rotary of Sea-
Tac Tukwila
2025

3rd Place Software Development -
Washington Technology Student
Association
2024

Wingman Award
2022, 2025

