

Kristan Dela Cruz (he/him)

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Education

University of Washington, College of Engineering, Seattle, WA (2022-...2025)

Bachelor of Science in 'Chemical Engineering'

Concentration in 'Nanoscience and Molecular Engineering'

Skagit Valley College, Mt. Vernon, WA (2020-2022)

Associate in 'Science Engineering Transfer Track #2'

Technical Skills

Scientific Computing (Python, Excel, and self-teaching R)

- Mathematical methods, numerical analysis, general programming, and engineering problems.
- Skilled at data sets, algorithms, and BioE/ChemE applied problems

Modeling (Experience in Aspen, COMSOL, and CAD).

- Modeling of numerous engineering and scientific models for different scenarios
- Interpreting and presenting data, and the understanding of data and errors

Relevant Coursework

Linear Analysis, Tissue Engineering, Molecular and Nanoscale Principles, ChemE Fundamentals

Experience

Skagit Valley College – Mt. Vernon, WA September 2021-June 2022

Student Government – Equity and Inclusion Representative

iGEM (International Genetically Engineering Machine) – Seattle, WA January 2024-...

Drylab Subteam – Kinetics

- International competition in synthetic biology that's focused on advancement and education through the development of a system and website.
- Using mathematical models and computer simulations to provide insights for the team.

Outlier February 2024-...

AI Training in Chemistry – Training AI models in chemistry through prompts and answers.

Interests

Recombinant DNA, directed evolution, tissue and protein engineering, AI, and nanotechnology