

SIMON K. NJORGE

njorogesimon201@gmail.com | (206) 591 - 9501 | Auburn, WA | simonnjorge.wixsite.com/simon

Professional Summary

Highly motivated and detail-oriented mechanical engineering student, exhibiting proficiency in Microsoft Excel and MATLAB, over 70 hours of experience in SolidWorks and over 40 hours in NX CAD design. Working knowledge in Geometric Dimensioning and Tolerancing (GD&T) and LTspice XVII. Oversees an engineering mentorship program to assist immigrant students in gaining access to career guidance and information.

Education

Bachelor of Science in Mechanical Engineering

Expected: June 2024

University of Washington - Tacoma, WA

Relevant coursework: Fluid Mechanics, Mechanical Design, Thermodynamics, Statics and Dynamics.

Associate of Science in Mechanical Engineering

Graduated

Green River College – Auburn, WA

Experience

NASA L'SPACE Program

Jan 2023 - Current

Mission Concept Academy (MCA) - Remote

- Developing a mock mission to explore the Polar Layered Deposits on Mars on tight payload and budget constraints, by researching and analyzing feasibility based on the mission task.
- Collaboratively authoring a 150+ page Preliminary Design Review Document within a 12-week timeline as part of the mission design effort, ensuring accuracy, consistency, and freedom from errors.
- Acquired knowledge in mission-critical concepts such as heat transfer, systems engineering, verification and validation, project management, and auditing design requirements.
- Collaborating with scientists and engineers to identify scientific instruments and payloads required for the mission and identifying critical technology and hardware components necessary for mission success.

Undergraduate Research Assistant

Nov 2022 - Current

University of Washington - Tacoma, WA

- Determining efficacy of concept mapping in enhancing student learning and understanding of engineering concepts.
- Detailed data analysis and report writing of research findings.

Career Prep Consultant

Sep 2022 - Current

University of Washington - Tacoma, WA

- Support 20K+ students and alumni using career networking websites, i.e., Handshake and LinkedIn.
- Reviewing and giving constructive feedback on electronic resumes and cover letters.
- Answer students' career questions by helping students develop professionally through mock interviews.
- Promoting Career Development resources such as workshops, career fairs and Student Transition Programs, in particular Disability Resources for Students and First-Generation Fellows.

Center for Wellness & Transformation

Aug 2020 - June 2022

Green River College - Auburn, WA

- Helped in eliminating interpersonal violence and promoted the building of healthy relationships.
- Developed Q&A sessions aiding 800+ students with campus resources on sexual harassment, mental health awareness and interpersonal violence.
- Provided individualized support to students experiencing interpersonal violence, offering crisis intervention and referrals to appropriate resources.