

Vassily Nathaniel Tan

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1551 N Virginia St
Reno, Nevada, 89503

EDUCATION

University of Nevada, Reno, College of Engineering, Reno NV	Expected Graduation May 2027
<ul style="list-style-type: none">• Bachelor of Science in Mechanical Engineering• Honors College - Provost's Scholars	

WORK EXPERIENCE

Shift Lead University Math Center, UNR 1664 N. Virginia St	Nov 2024 - Present
<ul style="list-style-type: none">• Supervises day-to-day operations and designates duties to employees• Mentors new employees, establishing job expectations and enforcing work policy• Observes employee performance and provides feedback to improve levels of productivity	

Math Tutor University Math Center, UNR 1664 N. Virginia St	Oct 2023 – Present
<ul style="list-style-type: none">• Supports students in developing learning strategies for various problems or concepts• Leads classroom-sized review sessions focusing on specific material• Effectively communicates ideas to students to further their understanding	

LEADERSHIP EXPERIENCE

President Pickleball Club	Jul 2024 - Present
<ul style="list-style-type: none">• Plans and hosts biweekly meetings which facilitate and promote the sport of pickleball• Delegates workload to board members while overseeing the status of all aspects of the club• Coordinates external events with student government to ensure outreach and funding opportunities	

COMMUNITY SERVICE EXPERIENCE

National Honors Society 80 Hours	Apr 2021 – May 2023
<ul style="list-style-type: none">• Crafted cards, dog toys, and other items to donate to specific foundations• Supported and participated in local community service projects, driving positive social impact	

Key Club 120 Hours	Oct 2019 – May 2023
<ul style="list-style-type: none">• Volunteered in community service initiatives, supporting charity runs and park cleanups• Participated in virtual charity opportunities such as Freerice, Charity Miles, and Zooniverse	

RELEVANT COURSEWORK

Mechanical Engineering
<ul style="list-style-type: none">• <u>Introduction to Computer Methods / Numerical Methods</u><ul style="list-style-type: none">○ Introductory course which focuses on algorithm development and the use of various software to analyze and complete problems○ Improves proficiency in Microsoft Excel and MATLAB○ Create code in MATLAB to solve mathematical concepts, such as matrix operations• <u>Statics / Dynamics</u><ul style="list-style-type: none">○ Create and utilize diagrams of fixed systems to solve for unknown forces present○ Analyze moving systems and the forces causing its movement (kinematics and kinetics)• <u>Computer Aided Design and Manufacturing</u><ul style="list-style-type: none">○ Introductory course to SolidWorks, its tools, and the dimensioning standards set by ASME

SPECIALIZED SKILLS

Programs: <ul style="list-style-type: none">• Microsoft Office Suite, Google Workspace, Intermediate level in MATLAB, Introductory level in SolidWorks
