

## Eduardo Torres Davila

---

CONTACT INFORMATION	University of Minnesota Department of Mathematics	Cell: (707) 230-7500 Email: <a href="mailto:torre680@umn.edu">torre680@umn.edu</a> Website: <a href="https://etdavila10.github.io">etdavila10.github.io</a>
OBJECTIVE	<i>Proactive graduate student seeking an opportunity to apply his mathematical knowledge and analytical abilities to unravel rigorous real-world problems through programming development.</i>	
EDUCATION	2020 – present <b>University of Minnesota</b> PhD in Applied Mathematics	
	2016 – 2020 <b>San Diego State University</b> BS in Applied Mathematics Minor: Computer Science	<i>Honors: Summa Cum Laude</i> <i>GPA: 3.80</i>
RELEVANT COURSES	<ul style="list-style-type: none"><li>• Dynamical Systems (<i>Guided Reading</i>) (Spring ‘22)</li><li>• Numerical Analysis (Fall ‘20, Spring ‘22)</li><li>• Real Analysis (Fall ‘20 - Spring ‘21)</li></ul>	
SKILLS	<b>Proficient Languages:</b> Python, Sage <b>Operating Systems:</b> Windows, GNU/Linux, MacOS <b>Comfortable with:</b> Java, R, C/C++, Bash <b>Version Control:</b> Git <b>Additional:</b> <ul style="list-style-type: none"><li>• Excellent communication skills</li><li>• Fluency in both English and Spanish</li></ul>	
EXPERIENCE	<b>PolyMath Jr.</b> <i>Teaching Assistant under Luis David Garcia Puente</i>	Online Summer ‘22
	<b>San Diego State University</b> <i>Funded Research under Christopher O’Neill</i> <ul style="list-style-type: none"><li>• Research focusing on the faces of the Kunz Polyhedron.</li><li>• Developed a package in Sage for working with the Kunz Polyhedron.</li></ul>	San Diego, CA Fall ‘19 - Spring ‘20
	<b>Mathematical Sciences Research Institute</b> <i>MSRI Undergraduate Program under Pamela E. Harris</i> <ul style="list-style-type: none"><li>• Research on a combinatorial approach of the representation theory of Lie algebras.</li><li>• Created software in Python to generate Weyl alternation diagrams.</li><li>• Presented our findings during the program and at conferences.</li><li>• Collaborated in a small group.</li></ul>	Berkeley, CA Summer ‘19
	<b>San Diego State University</b> <i>Undergraduate Research Assistant under Christopher O’Neill</i> <ul style="list-style-type: none"><li>• Research focusing on the Apéry sets of Numerical Semigroups.</li><li>• Generated posets of the Apéry set using Sage to provide examples for theory.</li><li>• Analyzing the geometric shapes of the resulting posets.</li></ul>	San Diego, CA Spring ‘19