

CONTACT  
INFORMATION

PhD Student  
 University of Washington  
 Department of Economics  
 E-mail: [tsherp@uw.edu](mailto:tsherp@uw.edu)

[Personal Page](#)  
[LinkedIn](#)

## PROFILE

Economics Ph.D. researcher focused on development, technology, and economic behavior, with strong skills in applied microeconometrics, causal inference, and program evaluation. Proficient in R, Stata, and Python for large scale data analysis, survey design, and mixed methods research. Examines how ICT and emerging technologies influence educational choices, information access, and inequality in underserved communities. Driven to produce policy relevant research that supports equitable development and responsible tech and AI policy.

## EDUCATION

**University of Washington**

*Ph.D. in Economics*

*M.A. in Economics*

Seattle, WA  
 2023 – Present  
 2025

**University of Colorado Boulder**

*B.A. in Economics (Magna Cum Laude) and Mathematics*

Boulder, CO  
 2020 – 2023

GRADUATE  
COURSEWORK

**Fields:** Microeconomics, Development Economics

**Methods:** Applied Microeconometrics, Econometric Theory, ML for Economists

**Other:** Contract Theory, Auction Theory

TECHNICAL  
SKILLS

**Programming:** R (advanced), Stata (advanced), Python (intermediate), Matlab

**Tools:** L<sup>A</sup>T<sub>E</sub>X, Git, Quarto, Excel

**Econometrics:** MLE, limited dependent variable models (probit, tobit), regression discontinuity, difference-in-differences, fixed and random effects panel models

**Machine Learning:** Decision trees, random forests, gradient boosting, LASSO, Ridge, clustering, PCA, model validation, introductory NLP, and CNNs

**Development and Policy Analysis:** Program evaluation using microdata, education and labor market interventions, household-level decision-making, NGO program design

**Economics Theory:** Microeconomics, general equilibrium, game theory, contract theory, auction theory

WORK  
EXPERIENCE**Northwest Economics, LLC**

Seattle, WA

*Research Assistant to Christina Tapia*

Summer 2025

- Analyzed payroll and shift data in R to support litigation involving wage theft claims; identified missed break penalties, overtime underpayments, and employer non-compliance.
- Merged and cleaned complex time card and compensation datasets; developed reproducible workflows to quantify damages using legal standards.
- Contributed to the preparation of expert reports by synthesizing the methodology in explanatory notes for legal teams.

**University of Colorado, Department of Mathematics**

Boulder, CO

*Math Tutor and Learning Assistant*

Jan 2022 – Aug 2023

- Provided academic support in calculus and linear algebra; emphasized proof techniques and conceptual reasoning.

	<b>University of Colorado, Department of Economics</b> <i>Research Assistant to Prof. Miles Kimball</i>	Boulder, CO May 2022 – Dec 2022
TEACHING EXPERIENCE	<p>• Analyzed survey data on well-being using utility-based frameworks and cleaned large subjective data sets.</p> <p><b>Independent Instructor</b></p> <ul style="list-style-type: none"> <li>• ECON 201: Intro to Macroeconomics (Winter 2026)</li> <li>• ENGL 299: Intermediate Writing in the Natural Sciences (Spring 2026)</li> </ul> <p><b>Teaching Assistant</b></p> <ul style="list-style-type: none"> <li>• QSCI 381: Intro to Probability and Statistics (Fall 2024 - 2025)</li> <li>• ECON 201: Intro to Macroeconomics (Spring 2024)</li> <li>• ECON 200: Intro to Microeconomics (Winter 2024)</li> </ul>	
GRADER EXPERIENCE	<b>Department of Economics</b>	Seattle, WA
	<ul style="list-style-type: none"> <li>• Reading Comprehension, Critical Thinking, &amp; Writing Skills (RTW) Exam Grader (Fall 2023 to Present)</li> <li>• ECON 422: Investment, Capital, and Finance (Fall 2025)</li> <li>• ECON 423: Topics in Financial Economics (Spring 2025)</li> </ul>	
LEADERSHIP AND SERVICE	<p><b>University of Washington, Department of Economics</b></p> <ul style="list-style-type: none"> <li>• Vice President of the Graduate Student Committee Autumn 2023 – Present PhD student representative, organizing events and advising on departmental decisions.</li> <li>• Women in Economics Autumn 2023 – Present Lead initiatives to promote diversity and inclusion.</li> <li>• PhD Mentor Autumn 2024 – Present Support first-year PhD students with academic mentoring.</li> </ul> <p><b>University of Colorado Boulder</b></p> <ul style="list-style-type: none"> <li>• Finance Board Member Autumn 2020 – Autumn 2022 Allocated funding for campus-wide programs through budget review and proposal evaluation.</li> </ul>	
REFERENCES	Available upon request	
OTHER INFORMATION	<b>Languages:</b> English (native) <b>Citizenship:</b> United States	