

PROFILE	MASc in Electrical and Computer Engineering with expertise in optimization and control of cyber-physical systems. My research focused on developing tractable and efficiently solvable control design methods with rigorous theoretical guarantees.	
EDUCATION	University of Waterloo , Waterloo, Canada M.A.Sc., Electrical and Computer Engineering Advised by Dr. Michael W. Fisher Coursework: Fundamentals of Optimization, Optimization Methods, Distributed Optimization, Multivariable Control, Stochastic Control, Nonlinear Control - Thesis: Convex Reparameterizations for Efficient Mixed $\mathcal{H}_2/\mathcal{H}_\infty$ Feedback Control [Thesis]	September 2023 - August 2025
	Wuhan University , Wuhan, China B.Sc., Applied Mathematics - Thesis: Algebraic Connectivity Analysis of Directed Double-Ring Network	September 2019 - June 2023
PUBLICATIONS	[1] Z. Fang and M. W. Fisher, "Constrained $\mathcal{H}_2/\mathcal{H}_\infty$ control design of dynamic virtual power plants via system level synthesis and simple pole approximation," in <i>2025 IEEE Electrical Power and Energy Conference (EPEC)</i> , 2025, to appear. [Paper] [2] Z. Fang and M. W. Fisher, "Hybrid state space and frequency domain system level synthesis for sparsity-promoting $\mathcal{H}_2/\mathcal{H}_\infty$ control design," in <i>2024 IEEE 63rd Conference on Decision and Control (CDC)</i> , pp. 8473–8478, 2024. [Paper]	
PRESENTATIONS	IEEE Electrical Power and Energy Conference [Slides] MASc Seminar, University of Waterloo [Slides] [Slides_Handout] IEEE Conference on Decision and Control [Slides] [Slides_Handout]	2025 2025 2024
TEACHING EXPERIENCE	ECE 207 Signals and Systems MATH 213 Signals, Systems, and Differential Equations MTE 484 Control Applications ECE 608 Quantitative Methods in Biomedical Engineering NE 488B Nano-instrumentation Lab	Spring 2025 Winter 2025 Fall 2024 Spring 2024 Winter 2024
COMMUNITY INVOLVEMENT	UW ECE Mentorship Program, <i>Mentor</i> American Control Conference, <i>Student Volunteer</i> WHU Math Undergrad-Mentor Program, <i>Mentor</i> WHU Mathematical Modeling Association, <i>Director</i>	2025 2024 2021 - 2022 2019 - 2022
HONORS AND AWARDS	Faculty of Engineering Award International Master's Award of Excellence, Graduate Research Studentship - 2 years of full tuition support, University of Waterloo School of Mathematics Scholarship (9/math undergrads), Wuhan University National First Prize (292/45075), China Undergrad Mathematical Contest in Modeling	2025 2023 - 2025 2021 2021
REFERENCES	Dr. Michael W. Fisher michael.fisher@uwaterloo.ca Assistant Professor of Electrical and Computer Engineering, University of Waterloo Dr. Stephen L. Smith stephen.smith@uwaterloo.ca Professor of Electrical and Computer Engineering, University of Waterloo Dr. Jun Liu j.liu@uwaterloo.ca Professor of Applied Mathematics, University of Waterloo	