

<b>PROFILE</b>	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.		
<b>EDUCATION</b>	<b>University of Waterloo</b> , Waterloo, Canada <span style="float: right;">September 2023 - August 2025</span> 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]		
	<b>Wuhan University</b> , Wuhan, China <span style="float: right;">September 2019 - June 2023</span> B.Sc., Applied Mathematics - Thesis: Algebraic Connectivity Analysis of Directed Double-Ring Network		
<b>PREPRINTS</b>	[J <sub>1</sub> ] <b>Z. Fang</b> and M. W. Fisher, "Convex Reparameterizations for Mixed $\mathcal{H}_2/\mathcal{H}_\infty$ Output Feedback Control Design," 2025. [J <sub>2</sub> ] <b>Z. Fang</b> and M. W. Fisher, " $\mathcal{H}_2/\mathcal{H}_\infty$ Control Design with System Level Synthesis and Simple Pole Approximation in Continuous Time," 2025.		
<b>PUBLICATIONS</b>	[C <sub>1</sub> ] <b>Z. Fang</b> 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] [C <sub>2</sub> ] <b>Z. Fang</b> 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]		
<b>PRESENTATIONS</b>	IEEE Electrical Power and Energy Conference [slides] <span style="float: right;">2025</span> MAsc Seminar, University of Waterloo [slides] [slides_handout] <span style="float: right;">2025</span> IEEE Conference on Decision and Control [slides] [slides_handout] <span style="float: right;">2024</span>		
<b>TEACHING EXPERIENCE</b>	ECE 207     Signals and Systems <span style="float: right;">Spring 2025</span> MATH 213   Signals, Systems, and Differential Equations <span style="float: right;">Winter 2025</span> MTE 484     Control Applications <span style="float: right;">Fall 2024</span> ECE 608     Quantitative Methods in Biomedical Engineering <span style="float: right;">Spring 2024</span> NE 488B     Nano-instrumentation Lab <span style="float: right;">Winter 2024</span>		
<b>COMMUNITY INVOLVEMENT</b>	UW ECE Mentorship Program, <i>Mentor</i> <span style="float: right;">2025</span> American Control Conference, <i>Student Volunteer</i> <span style="float: right;">2024</span> WHU Math Undergrad-Mentor Program, <i>Mentor</i> <span style="float: right;">2021 - 2022</span> WHU Mathematical Modeling Association, <i>Director</i> <span style="float: right;">2019 - 2022</span>		
<b>HONORS AND AWARDS</b>	Faculty of Engineering Award <span style="float: right;">2025</span> International Master's Award of Excellence, Graduate Research Studentship <span style="float: right;">2023 - 2025</span> - 2 years of full tuition support, University of Waterloo School of Mathematics Scholarship (9/math undergrads), Wuhan University <span style="float: right;">2021</span> National First Prize (292/45075), China Undergrad Mathematical Contest in Modeling <span style="float: right;">2021</span>		