

EDUCATION	University of Washington Seattle, USA <i>Ph.D. in Computer Science and Engineering</i> 2018 - present <ul style="list-style-type: none"> • Advisor: Anup Rao • Research areas: Coding Theory, Complexity Theory
	McGill University Montreal, Canada <i>B.Sc. Honours in Mathematics and Physics, Minor in Computer Science</i> 2014 - 2018
PUBLICATIONS	<ol style="list-style-type: none"> 1. List-Decoding Capacity Implies Capacity on the q-ary Symmetric Channel with Francisco Pernice and Mary Wootters. <i>Preprint</i>, 2024 2. A Criterion for Decoding on the Binary Symmetric Channel with Anup Rao. <i>Advances in Mathematics of Communications</i>, 2024
TEACHING EXPERIENCE	Teaching Assistant , University of Washington <ul style="list-style-type: none"> • CSE 531: Computational Complexity Spring 2022 • CSE 421: Introduction to Algorithms Fall 2021, Fall 2020, Winter 2020 • CSE 431: Introduction to Theory of Computation Spring 2021 • CSE 521: Applied Algorithms Winter 2021 • CSE 311: Foundations of Computing 1 Spr 2019, Spr 2020, Fall 2019, Fall 2018 • CSE 373: Data Structures and Algorithms Summer 2019 • CSE 490: Toolkit for Modern Algorithms Winter 2019
AWARDS	NSERC Postgraduate Scholarship 2020 NSERC Undergraduate Student Research Award 2016, 2017
SERVICE	Reviewer: <i>IEEE Transactions on Information Theory</i> 2024 <i>IEEE International Symposium on Information Theory</i> 2024 Area Chair for PhD Admissions: University of Washington 2022 Organizer for Theory Lunch: University of Washington Fall 2023, Spring 2024
TALKS	University of Copenhagen: List Decoding Capacity Implies BSC Capacity Aug 2024 UW Theory Seminar: On List-Decoding Transitive and Doubly Transitive Codes Over the Binary Symmetric Channel Mar 2023 UW Theory Lunch: <ul style="list-style-type: none"> • Reed-Muller Codes Achieve Bit-Capacity Mar 2024 • Top-Down Proofs for Constant Depth Circuits Lower Bounds Nov 2023 • Applications of the Saddlepoint Method in Combinatorics Oct 2022 • Weight Distribution of Reed-Muller Codes Feb 2020 • Lower Bounds on Arithmetic Circuits with Bounded Coefficients Jun 2019