

NICHOLAS ANDRÉ G. JOHNSON

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Princeton University
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Education

Massachusetts Institute of Technology, Cambridge, MA, U.S.A	June 2024
Doctor of Philosophy (PhD) in Operations Research – Advised by Professor Dimitris Bertsimas	
Princeton University, Princeton, NJ, U.S.A.	June 2020
Bachelor of Science in Engineering (BSE) Candidate, Concentration: Operations Research & Financial Engineering	
Certificates: Applications of Computing, Applied & Computational Mathematics, Statistics & Machine Learning	
GPA: 4.0 (on 4.0 scale), Valedictorian	

Experience

Contrary Capital – C20 Talent Fellow	September 2020 – Present
Select community of the top early-career engineers and product minds working in technology	
D. E. Shaw Group – Quantitative Researcher and Software Developer	May 2020-August 2020
Conducted high frequency order execution and market microstructure research	
Princeton University – Bendheim Center for Finance	September 2019-May 2020
Quantitative Finance Researcher supervised by Professor Yacine Ait-Sahalia	
Google – Software Engineering Intern in Machine Learning	June 2019-August 2019
Conducted experimental advertisement revenue optimization	
Princeton University – Operations Research and Financial Engineering	May 2019-May 2020
Undergraduate Researcher supervised by Professor Miklos Racz	
Princeton University – Mittal Lab: Security and Privacy	February 2019-May 2019
Differential Privacy Researcher supervised by Professor Prateek Mittal	
Montreal Institute for Learning Algorithms	May 2018-June 2018
Deep Learning Researcher supervised by Professor Yoshua Bengio	
Oxford University - Integrative Computational Biology and Machine Learning Group	February 2018-May 2020
Machine Learning and Computational Biology Researcher supervised by Dr. Aleksandr Sahakyan	
Princeton University Whitman College	February 2018-May 2020
Residential College Adviser (RCA)	
Work with a group of first year advisees to help them transition to life as Princeton students and develop responsible personal, academic, and social decision-making skills	
Princeton University Writing Center	September 2017-May 2020
Writing Fellow	
Offer individual conferences to undergraduate and graduate students across all disciplines of the University to workshop research papers, argumentative essays, etc.	

Honours

The James Hayes-Edgar Palmer Prize in Engineering	June 2020
Awarded for having best manifested excellent scholarship, leadership and achievement in engineering.	
The Frank Castellana Prize	June 2020
Awarded for outstanding scholarship and academic achievement in ORFE at Princeton University.	
Richard D. Challener '44 Senior Thesis Prize in Canadian Studies	June 2020
Sigma Xi Research Honor Society	June 2020
Columbia University Presidential Fellowship (declined to attend MIT)	February 2020
2020 Rhodes Scholarship Finalist	November 2019
Phi Beta Kappa Academic Honor Society (inducted as a Junior)	November 2019
Class of 1939 Princeton Scholar Award	August 2019
Awarded for having achieved the highest academic standing for all work at the University.	
Tau Beta Pi Engineering Honor Society	November 2018
Inducted as a Junior and elected as Chapter President for 2019 Calendar Year	
Shapiro Prize for Academic Excellence 2017-2018	August 2018
Awarded for outstanding academic achievement during Sophomore Year (top 3.5% of the class)	
Shapiro Prize for Academic Excellence 2016-2017	August 2017
Awarded for outstanding academic achievement during Freshman Year (top 3.5% of the class)	
Canadian Math Open: National Bronze Award (overall) & Silver Award (Quebec)	Winter 2016
Marianopolis College Award of Excellence for Outstanding Achievement in Math Competitions	June 2016
National Certificates of Distinction, University of Waterloo Fermat & Euclid Math Contests	2015

Skills

Spoken Languages: Fluent in English and French (Reading, Speaking, Writing)
Programming Languages: Java, Python, C, C++, R, Julia, Matlab, SQL