Education	
Cornell University	Ithaca, NY
PhD in Chemical Engineering Aug	ust 2023 - present
University of Rochester	Rochester, NY
Bachelor of Science in Chemical Engineering	May 2022
• Minor: Computer Science, Cluster: Linguistics	
Honors and Awards	
University of Rochester	
Cum Laude & High Distinction in Chemical Engineering	
 Meliora Alumni Scholarship and New York State Merit Scholarship Description 	2018 - 2022
 Dean's List Patrick P. Lee Foundation Scholarship 	2018 - 2021 2020 - 2022
*	2020 - 2022 all 2021 - present
 Discover Grant, University of Rochester 	Summer 2021
 Programming Skills Python, Java, C, R, LabVIEW, MATLAB 	
 Python, Java, C, R, LabVIEW, MAILAB Relevant AI/ML Courses: Introduction to Statistical Machine Learning, Introduction to Artificial Intellig 	ence
Research Experiences	Fall 2022
 Project Assistant, University of Rochester Exploring Molecular Structure-Odor Relationships with Explainable AI (Advisor: Dr. Andrew White) 	Ган 2022
Independent Research, University of Rochester Fall 20 • Examining the Use of Counterfactuals and Descriptor Explanations in Scent Prediction (Advisor: Dr. Advisor: Dr. Advi	021 - <i>Spring 2022</i> ndrew White)
Summer Research, University of Rochester	Summer 2021
 Predicting Molecular Scent with Graph Neural Networks and Counterfactuals (Advisors: Dr. Andrew WI Ignacio Franco) 	nite and Dr.
Independent Research Project, Allendale Columbia School	2017 - 2018
 Chemical Cytotoxicity Research using Machine Learning Techniques (Advisors: Dr. Jeffrey Lawlis and D Giacherio) 	r. David
 Summer Internship, Perception For Movement (PerForM) Lab, Rochester Institute of Technology Eye Tracking and Machine Vision Research (Advisor: Dr. Gabriel Diaz) 	Summer 2017
Summer Internship, Department of Chemistry, Nazareth College	Summer 2016
 Algal Bloom Research of Waters in the Lower Genesee Watershed (Advisors: Dr. David Giacherio and I 	
Publications and Preprints	
 Wellawatte, G. P., Seshadri, A., & White, A. D. (2022). Model agnostic generation of counterfactual experimelecules. <i>Chemical Science</i>, 13(13), 3697-3705. 	lanations for
o Wellawatte, G. P., Gandhi, H. A., Seshadri, A., & White, A. D. (2023). A Perspective on Explanations of	f Molecular
Prediction Models. Journal of Chemical Theory and Computation, 19(8), 2149-2160.	
• Seshadri, A., Gandhi, H., Wellawatte, G., & White, A. (2022). Why does that molecule smell? ChemRx	iv.
doi:10.26434/chemrxiv-2022-vs838 This content is a preprint and has not been peer-reviewed.	
Professional Activities	
American Institute of Chemical Engineers, University of Rochester	2019 - 2022
Engineers for a Sustainable World Club, University of Rochester	2019 - 2022
• XPRIZE Carbon Removal Student Competition (Team Meliora Emissions, University of Rochester)	2021
o US Department of Energy Solar Decathlon Design Challenge (University of Rochester Team)	2020 - 2021
Torr Adaptation Decomposed University of Dechaster	2010 2020

Toy Adaptation Program, University of Rochester

2019 - 2020