Patrick Duffy

WORK EXPERIENCE	Undergraduate Research — Portland, ME Conducted research through the USM Undergraduate Research Opportunities Program (UROP).	Sep 2022 - Present
	Synthesized organometallic compounds displaying aggregation-induced emission (AIE) and characterized luminescent properties with fluorescence spectrophotometry.	
	Sole Proprietor — Portland, ME Operated a small mail-order plant seed business, primarily selling on Etsy. Fulfilled over 30,000 orders to date from all sales channels.	Mar 2021 - Present
	Designed automation equipment to scale operation, including a seed packeting machine and a Python-based order fulfillment suite.	
	Subject-Based Tutor — Portland, ME Provided support for courses in chemistry, physics, and mathematics through the USM Learning Commons.	Sep 2022 - May 2024
	Assisted students in test preparation, laboratory conduct, and development of core academic skills.	
SKILLS	Instrumentation: UV-Vis, IR, Fluorescence, NMR, GC-MS Programming: Python, Julia, C++ Software Literacy: Spartan, Delta, Office 365 Suite, FreeCAD OS Literacy: Linux (Debian, Ubuntu), MacOS, Windows	
RELEVANT COURSES	Organic Chemistry I, II and Lab Inorganic Chemistry Analytical Chemistry and Lab Analytical Chemistry and Lab	
EDUCATION	UNIVERSITY OF SOUTHERN MAINE — Portland, ME Bachelor of Science in Chemistry Overall GPA: 4.00 / 4.00	Jan 2022 - Present
	PORTLAND HIGH SCHOOL — Portland, ME Overall GPA: 4.00 / 4.00	Sep 2017 - May 2021
REFERENCES	Available upon request.	