

William Wang

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Education	Rutgers University , School of Arts and Sciences		New Brunswick, NJ
	<i>Bachelor of Science</i> , Mathematics + Computer Science		May 2023
	Cumulative GPA: 3.89 / 4.0		
	Selected Coursework		
	Data Structures	Comp. Architecture	Numerical Analysis
	Probability Theory	Theory of Statistics	Combinatorics
		Ordinary Diff Eqs.	Calculus I-III
Achievements	Online Encyclopedia of Integer Sequences (OEIS)		
	<i>Contributor</i>		
	<ul style="list-style-type: none">Discovered and published a new integer sequence in the OEIS (A339390)Contributed new interpretations to two previously published sequences (A2898 and A208425)		
Projects	3-D Lattice Paths		
	<i>Project Leader</i>		Nov-Dec 2020
	<ul style="list-style-type: none">Under Professor Doron Zeilberger, researched the number of paths from (0,0,0) to (n,n,n) using various sets of acceptable steps using MapleDiscovered new integer sequences and new interpretations to previously known integer sequencesFound linear recurrence formulas/generating functions for such sequences, and analyzed their long-term behaviors, e.g. asymptotics, critical exponents		
	Polynomial Operations		February 2020
	<ul style="list-style-type: none">Built a Java program that can add and multiply polynomials together, at specific values through text file input		
Experience	Rutgers University - NB Mathematics Department		
	<i>Undergraduate Grader / Teaching Assistant</i>		Spring 2021
	<ul style="list-style-type: none">Graded student assignments for Elementary Differential Equations		
	Taiwan Summer English Camp		Taoyuan, Taiwan
	<i>Summer English Teacher</i>		July 2016, 2017, 2019
	<ul style="list-style-type: none">Taught English to Taiwanese primary and secondary school students at a summer camp at Yuan Ze University over six weeks in collaboration with local university studentsDesigned new English curriculum every year over a three-month period prior to each trip alongside 10-20 other US high school and college students		
Clubs	Undergraduate Student Alliance of Computer Scientists (USACS)		
	<i>Member</i>		September 2019 -
	Rutgers Quantitative Finance Club (QFC)		
	<i>Member</i>		February 2020 -
Skills	Java, Python, C, Maple (math software), MATLAB, HTML/CSS, \LaTeX		