

# William Wang

✉ williamwang2468@gmail.com | 📞 [REDACTED]  
🌐 williamjwang | 🌐 williamjwang | 🌐 williamjwang.github.io

---

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