

William Wang

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| Education | Rutgers University , School of Arts and Sciences <i>Bachelor of Science</i> , Computer Science + Mathematics Cumulative GPA: 3.89 / 4.0 | New Brunswick, NJ May 2023 |
| | Selected Coursework Data Structures Comp. Architecture Combinatorics Numerical Analysis Probability Theory Theory of Statistics ODEs 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> <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 | Nov-Dec 2020 |
| | Polynomial Operations <ul style="list-style-type: none">Built a Java program that adds, multiples, and evaluates polynomials at specific values through text file input | February 2020 |
| Experience | Taiwan Summer English Camp <i>Summer English Teacher</i> <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 | Taoyuan, Taiwan July 2016, 2017, 2019 |
| Clubs | Undergraduate Association of Computer Scientists (USACS) <i>Member</i> | September 2019 - |
| | Rutgers Quantitative Finance Club (QFC) <i>Member</i> | February 2020 - |
| Skills | Java, Python, Maple (math software), MS Office, HTML/CSS, \LaTeX | |