

James Cruse

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EDUCATION

Macaulay Honors College at Hunter College

GPA: 4.0

Bachelor of Arts, Expected June 2022

Majors: Computer Science / Mathematics

Stuyvesant High School

GPA: 92.7

Advanced Regents Diploma, June 2018

AWARDS AND HONORS

Macaulay Honors Scholar, Hunter College, Full merit scholarship, September 2018 - Present

Daedalus Scholar, Hunter College, Computer Science Honors, September 2018 - Present

Chinese Flagship Program, Hunter College, September 2018 - 2019

RELEVANT COURSEWORK

Software Analysis and Design 1 2 & 3 Machine Learning

Discrete Structures

Probability Theory

Symbolic Logic

Multivariate Calculus

Calculus 1 & 2

Science and Technology in NYC

Introduction to Math Proofs

EXPERIENCE

Teaching Assistant, Discrete Structures, Hunter College, NYC, August 2019 - Present

- Attend a weekly recitation lecture and facilitate discussion to strengthen understanding of class material
- Grade homework and provide constructive feedback to bolster students' progress
- Hold biweekly tutoring sessions to address specific subtopics and problem sets

Team Member, Hunter College International Computing Competition Team, NYC, July 2019 - Present

- Attend weekly lectures on advanced computer science theory and problem solving techniques
- Solve problems from previous years' competitions and implement solutions
- Collaborate in a team to find the most efficient way to valid solutions

Sensei, Stuyvesant High School, NYC, July 2017 - June 2018

- Facilitated Stuyvesant's CSdojo, an after-school program assisting students in learning computer science and developing projects that combine knowledge and innovation
- Taught dojo staff problem-solving techniques and teaching methods to aid students in need of help
- Administered monthly meetings to boost team morale and asses dojo efficacy

Young Scholar of Mathematics, Institute for Creative Problem Solving, SUNY Westbury, NY, 2012 - 2018

- Attended weekly lectures on the application of mathematics in physics and computer science
- Participated in group workshops and activities expanding mathematical knowledge
- Gained an emboldened interest in pursuing advanced learning in mathematics and computer science

Tutor, Self-Employed, NYC, September 2018 - June 2019

- Devised lessons for six students grades 8-11 to strengthen mathematical abilities
- Adapted teaching style to best accommodate each student's academic needs

Senior Counselor, Dorothy P. Flint 4-H Camp, Riverhead, NY, Summers 2017; 2018

- Assisted children in nature activities, sports, swimming, and arts and crafts
- Planned and led entertaining tasks that built camaraderie within the group
- Responded to behavior issues, enforcing all safety guidelines associated with the camp

Busboy, Lola's, Long Beach, NY, Summer 2015

- Set up tables and cleaned restaurant before opening and closing
- Delivered orders to tables and communicated customers' requests to waitresses

SKILLS: C, C++, Python, Java, PowerPoint, Excel, Social Media

LANGUAGES: Spanish (advanced speaking, reading, writing); Chinese (intermediate speaking, reading, writing)