

# Juliette N. Wong

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## EDUCATION

### CARNEGIE MELLON UNIVERSITY

BACHELOR OF SCIENCE IN  
MATHEMATICAL SCIENCES  
Pittsburgh, PA • May 2021

Concentration in  
Operations Research & Statistics;  
Minor in Chinese Studies  
QPA: 3.74 / 4.0  
Dean's List: F17, S18, F18

## COURSES

### MATHEMATICS

Operations Research 1  
Mathematical Finance  
Discrete Mathematics  
Differential Equations  
Matrices & Linear Transformations  
Multidimensional Calculus

### STATISTICS

Intro to Statistical Inference  
Intro to Probability Theory

### COMPUTER SCIENCE

Imperative Programming (C)  
Fund. of Programming (Python)

### ECONOMICS

Principles of Microeconomics  
Principles of Macroeconomics

## SKILLS

### PROGRAMMING

Python • C  
R (basic) • MATLAB (basic)

### ARTISTIC

Adobe Illustrator • Solidworks 2018  
Laser Cutting • 3D Printing

### MISC.

LaTeX • Excel / Google Sheets  
Powerpoint • Linux / Unix (basic)

## LINKS

LinkedIn:// [juliettenwong](#)  
Github:// [jujuwong21](#)

## RELATED EXPERIENCE

### INCOMING BUSINESS ANALYST INTERN | GRANT STREET GROUP

Summer 2019 | Pittsburgh, PA

### IGNITE WITH STEM FORUM | BANK OF AMERICA

March 2019 | Charlotte, NC

### INDEPENDENT STUDY | CMU HUMAN COMPUTER INTERACTION DEPT.

January 2019-Present | Pittsburgh, PA

- Advisor: Amy Shannon Cook, PhD Candidate in Human-Computer Interaction at Carnegie Mellon University
- Collect data by performing test studies and analyze this data using R and Excel to see if watching others play an educational game helps one learn

### SUMMIT FOR DEVELOPING LEADERS | CAPITAL ONE

January 2019 | Plano, TX

- One of 30 students selected to participate in an analytics training program
- Attended training classes to improve presentation and problem solving skills
- Prototyped an app using proto.io that helps students budget and improve their financial literacy and calculated app benefits to Capital One and consumers

### RESEARCH APPRENTICESHIP | CMU MATHEMATICS DEPT.

May 2018-August 2018 | Pittsburgh, PA

- Advisor: Jason Howell, PhD, Carnegie Mellon University Director of Mathematical Sciences Undergraduate Studies
- Analyzed MATLAB algorithms to improve accuracy of Nonnegative Matrix Factorization, a machine learning algorithm
- Performed QR-factorization to estimate the smallest eigenvalue for a specific tri-diagonal matrix

## LEADERSHIP

### CAREER PEER MENTOR | CMU CAREER & PROFESSIONAL DEV. CENTER

August 2018-Present | Pittsburgh, PA

- Compile CMU statistics using Google Sheets to create resources for workshops that encourage student use of the Career & Professional Development Center
- Foster relationships with first-years by hosting workshops and individual meetings to help students explore careers

### ASST. MEMBERSHIP VP, ASST. FELLOWSHIP VP | ALPHA PHI OMEGA

January 2018-Present | Pittsburgh, PA

- Volunteered 90+ hours on campus and around Pittsburgh to better understand the city's community
- Organize fellowship events by reviewing proposals and allocating budgets to promote friendship
- Awarded Blue Brother of Excellence for significantly improving the quality of Carnegie Mellon's Kappa chapter

### CHOREOGRAPHER AND DANCER | DANCER'S SYMPOSIUM

August 2017-Present | Pittsburgh, PA

- One of two sophomore students selected to choreograph a 13-dancer contemporary piece for the Fall 2018 show
- Collaborate with dancers, directors, and tech at least four hours a week to improve details in routines