

# Kayla Hujber

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## SKILLS

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Programming: Python, Java, R, C++, LaTeX

Mathematics: Stochastic Calculus, Linear Algebra

## EDUCATION

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Boston University, Questrom School of Business

Boston, MA

### M.S. Mathematical Finance & Financial Technology

January 2022

- Coursework: Statistics, Programming (R, Python, C++), Stochastic Methods of Asset Pricing
- Extracurriculars: President of the Mathematical Finance Club, MSMFT Admissions Ambassador, Member of the Graduate Finance and Investment Club

Iona College, School of Arts & Sciences

New Rochelle, NY

### B.S. Mathematics [GPA 3.83]

May 2020

- Division 1 Softball Player in the Metro Atlantic Athletic Conference (MAAC)
- Athletic awards: MAAC All-Academic Team Selection 2018, 2019, 2020
- Coursework: Multivariable Calculus, Probability and Statistics, Linear Algebra, Abstract Algebra, Data Structures and Algorithms, Computer Organization & Architecture, Complex Variables, Discrete Mathematics, Database Design & Implementation

## WORK EXPERIENCE

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The Paige Elizabeth Keely Foundation

Nissequogue, NY

### Head of Finance

January 2020 – Present

- Managed all finances for a non-profit 501c3 organization using Microsoft Excel.
- Achieved finance and accounting goals in alignment with the foundations mission to raise awareness about Brain Arteriovenous Malformations (AVMs)

## LEADERSHIP EXPERIENCE

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Boston University

Boston, MA

### President of the Mathematical Finance Club

December 2020 – Present

- Oversaw and contributed to the design and fabrication of a monthly newsletter
- Planned and implemented a pricing challenge to take place in January 2021; graduate and undergraduate students from all over the world are expected to participate

## PROJECTS

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Boston University

Boston, MA

### ETF Replication via Principal Component Analysis

October 2020 – December 2020

- Collaborated with a team of students to successfully construct a replicating portfolio for the S&P 500. The model is applicable to any index of securities with price history available via the Yahoo Finance Python API

Iona College

New Rochelle, NY

### Database Administrator Project

November 2019

- Lead a team of individuals to design a database and website for a mid-size real estate company (SQL, CSS, PHP, HTML). Delegated tasks to all four team members and collaborated with members by using a code sharing website to remodel and improve quality of work

## ADDITIONAL INFORMATION

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**Interests:** Division 1 softball player for Iona College (2017-2020), Participated in the New York State High School Softball Championship, NYSPHSAA Sportsmanship Award Winner (2014), NY All-State Team 2015 & 2017, Volunteer for The Paige Elizabeth Keely Foundation, Member of the Pi Mu Epsilon Mathematics Honor Society