# Joshua Sturm

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🔗 JoshuaSturm | ⌨ JoshuaSturm

## Education

**School of Professional Studies, City University of New York**  New York, NY
MS Data Science, GPA: 4.0  08/17-Present

Web scraping, Data cleaning/tidying, Text mining, Data visualization, Advanced statistical methods

**Baruch College, City University of New York**  New York, NY
BA Mathematics  01/14--07/17

Quantitative Introduction to Financial Instruments, Object Oriented Programming, Theory of Interest, Mathematical Analysis I, Combinatorics

**Rockland Community College, State University of New York**  Suffern, NY
AA Mathematics  12/12

Dean's List, Member of Honors Program

## Programming and Computer Skills

- C++, Python, Flask, LATEX, R, SQL, MongoDB
- Excel, Word, Microsoft Office Suite
- Github, Intuit Quickbooks, Docker, AWS EC2
- Data: Scraping/collecting, cleaning/tidying, mining, visualizing
- Regression modelling

## Financial Modeling Skills

- Option pricing and hedging in the Black-Scholes framework
- Binomial tree pricing of exotic and path-dependent options
- Calculation of VaR
- Time series analysis

## Work Experience

**Sushi-A-La-Carte, Inc.**  Wesley Hills, NY
Manager  11/11--01/14

- Oversaw all aspects of daily operation for all three locations, managing 10 employees
- Coordinated orders and deliveries, assigning them to a location based on proximity to customer
- Took stock of inventory nightly
- Handled all customer relations
- Conducted weekly payroll for all employees
- Accounts payable, accounts receivable
- Overhauled previous IT configuration by purchasing new workstations and printers; general IT needs
- Regularly researched and implemented new ideas and products
- Handled all catering functions simultaneously
- Maintained a strong social media presence

**Hillsdale Holdings, Inc.**  South River, NJ
Accounts Payable/Receivable, IT  05/06--08/09

- Managed company accounting responsibilities, and customer invoicing using Intuit Quickbooks Pro
- Maintained company network, and general IT needs
- Purchased and installed network hardware such as printers, routers, and workstations

## Projects

**DATA 602**

**DATA 606**

**DATA 607**

## Activities and Interests

Ice skating, hockey, music, fitness, sudoku, Rubik's cube, riddles and problem solving

## Languages

English (fluent), Spanish (conversational), French (minimal)