

# Gabriel Kagan

STUDENT · MATHEMATICIAN

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## Education

### Undergraduate (University of Massachusetts-Amherst)

Amherst, MA

B.S. MATHEMATICS, B.A. ECONOMICS

Sep. 2015 - PRESENT

- Theta Chi Fraternity
- Relevant courses: Multivariable Calculus, Linear Algebra, Differential Equations, Statistics, Number Theory, Intro to Finance

## Experience

### State Street Corporation, GTP

Hadley, MA

GLOBAL TRANSACTIONS PROCESSING ANALYST

Jun. 2017 - PRESENT

- Responsible for processing and authorizing multi-million dollar securities transactions.
- Well versed in international/domestic equities, fixed-income securities, asset-backed securities, complex derivatives, and cash instruments.
- Mitigate risk and ensure clear audit trails, in a timely, effective, and efficient manner.

### Nova Interiors

Danvers, MA

WEB DEVELOPER

May. 2016 - Sep. 2016

- Assisted with all aspects of design for company e-commerce interface.
- Simplified process of uploading bulk products to website by creating widgets in HTML.
- Analyzed traffic data to target specific demographics and potential leads through Google feeds.
- Managed website content and completed digital editing for products.

### Green Tea Restaurant

Peabody, MA

MANAGER

Jun. 2014 - Jan. 2018

- Oversaw complete operations including, staffing, training, and customer service.
- Assisted bartenders during peak hours to ensure efficient and timely delivery of products.
- In charge of staff management including, recruiting, hiring, training and scheduling.

### Stay Well Adult Health Center

Salem, MA

PROGRAM ASSISTANT

May. 2013 - Sep. 2014

- Assisted with planning, coordination, and implementation of varying activities for elderly clients.
- Organized and ran activities such as technology classes, entertainment events, and exercise periods.

## Extracurricular Activity

### HackUmass

Amherst, MA

ENGINEER

Nov. 2015 - Present

- Work in a collaborative environment to create a software project in the span of 37 hours.
- Use Raspberry Pis, circuit components, and Arduinos to create software applications.

### TC2000

TRADER

May. 2015 - PRESENT

- Analyze and track fluctuations of a variety of markets and stocks.
- Created a Markov Chain to predict transitional states of securities.

### Amherst Survival Center

Amherst, MA

VOLUNTEER

Sep. 2015 - PRESENT

- Assist staff in organization of food supplies and hygienic items that are distributed to clients.
- Aid the collection of excess food from local dining institutions.

## Skills

**Computer Skills:** Java, Python, MATLAB, HTML, LaTeX  
Solidworks, PTC Creo, Onshape, 3D Printing, Altium Designer  
MS Office - Word, Excel, Powerpoint

**Language Skills:** Russian - Bilingual  
Hebrew - Proficient