

# Dmitriy Kagno

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## **Education:**

**John Jay College of Criminal Justice**

*B.S in Computer Science and Information Security*

**Stuyvesant Highschool**

## **Work Experience:**

**Mathnasium Learning Center**

*Lead Instructor*

*September 2017 - Present*

- Teach elementary, middle, highschool and college level math to students of all ages
- Teach AP and highschool level physics to students in individual and group settings
- Teach students with learning disabilities and accessibility issues online and in person
- Standardized the systems necessary to create, update and maintain student curricula
- Responsible for incorporating proprietary online learning solutions into regular daily use

## **Projects:**

**Image OCR Translator**

*Utility to look up translations of foreign words from text located in images*

*March 2021*

- Allows users to extract words from images using OCR technology
- Uses Google Translate API to serve translations of extracted words
- React web application with Nodejs backend to handle server calls
- Front end designed using React Material UI and styled-components
- Project management and issue tracking implemented via Asana
- Project Lead for team consisting of four members

**Twenty Four Game**

*An accessible and unique way of gamifying simple arithmetic*

*June 2020*

- Enables users to endlessly practice arithmetic with random number generation
- Uses backtracking algorithm to ensure solutions are straightforward and open-ended
- Built to be accessible on almost any device, computer or mobile
- Simple Javascript and CSS application hosted on Github

## **Acquired Skills:**

Python, SQLite, React, Javascript, Nodejs, HTML, CSS, C++, Git, Bash, Web Development, Tutoring, Peer Review, Russian, Mathematics, Physics