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

**24 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