

Daniel Kiselev

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EDUCATION

University of Rochester

B.S. in Computer Science

Rochester, NY

2015-2019

WORK & LEADERSHIP EXPERIENCE

danielkiselev.com

MTX Group Inc

Senior Software Engineer

Albany, NY

February 2021 – Present

- Authored MTX's HL7 translation layer for medical data interoperability between MTX's software and clients' vaccination registries.
- Technical lead on client projects.

MTX Group Inc

Software Engineer – Machine Learning

Albany, NY

September 2019 – February 2021

- Generating machine learning models to streamline internal sales processes
- Developing software for clients and internal company initiatives.
- Identifying assets with ML models, distance calculation, and deduplication of assets from a non-stereoscopic street view camera image.

MTX Group Inc

Technical Consultant/Software Developer

Troy, NY

May 2018 – August 2018

- Managed and implemented a website design with a global team for a Fortune 500 client.
- Created machine learning algorithms to classify images of hand-written text.

SKILLS/CERTIFICATIONS

- Java, Python, TypeScript, JavaScript, HTML, CSS, C, OCaml
- GCP Professional Data Engineer, GCP Associate Cloud Engineer
- Fluent in Russian

PROJECTS

github.com/danielkiselev

Whip – DandyHacks Hackathon Project

- Received Google's award for best use of Google Cloud Platform API.
- Received FactSet's Frankenstein award for best use of multiple APIs.
- Developed a web scraper to acquire airline data for assessing airport traffic in advance.

Code Analysis – Advanced Compilers (Python)

- Developed a compiler that reduces C programs into 3-address code.
- Worked to break down code and understand what parts can be further optimized. Removed redundant operations within the code by utilizing local value numbering.

Code Translator – Prog. Language Design & Imp. (Python & OCaml)

- Translates a C program into assembly styled code.
- The same project was done in both OCaml and in Python; providing identical functionality.
- Implemented a scanner/tokenizer; a parser for parse tree generation; a translator to convert the parse tree to the final output code.

Mobile Messaging App – Mobile App Development Final Project (Android & Java)

- Built a mobile messaging app that allows users to easily add friends by QR code.
- Utilizes Google's Firebase platform for 'Realtime Database' management, and user authentication.