Daniel Kiselev

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**EDUCATION**

**University of Rochester Rochester, NY**

*B.S. in Computer Science GPA 3.2/4.0* 2015-2019

**Projects: *github.com/danielkiselev | danielkiselev.com***

**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.

**WORK & LEADERSHIP EXPERIENCE**

**MTX Group Inc Albany, NY**

*Senior Software Engineer*  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 Albany, NY**

*Software Engineer – Machine Learning* 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.

**MTX Group Inc Troy, NY**

*Technical Consultant/Software Developer* 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, C, SQLite, TypeScript, JavaScript, HTML, CSS, OCaml
* GCP Professional Data Engineer, GCP Associate Cloud Engineer
* Fluent in Russian