

# Daniel Kiselev

7 Glenwood Court Tenafly, New Jersey | (908) 456-6834 | dannykiselev@gmail.com

## EDUCATION

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### University of Rochester

*B.S. in Computer Science GPA 3.2/4.0*

**Rochester, NY**

2015-2019

**Projects:** [github.com/danielkiselev](https://github.com/danielkiselev) | [danielkiselev.com](http://danielkiselev.com)

### Whip – DandyHacks Hackathon Project

- Received Google's award for best use of Google Places 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

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### University of Rochester-Mobile App Development

*Teacher's Assistant*

**Rochester, NY**

January 2019 - May 2019

- Lead weekly sessions to facilitate students in Android development.
- Graded assignments and provided students with clear and useful feedback.

### 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.

### Dwight-Englewood School/ DE 360

*Technology Teacher Assistant*

**Englewood, NJ**

July 2017 - August 2017

- Taught summer courses on the fundamentals of Unity, Python, and Raspberry Pi.
- Maintained accurate financial records.

## SKILLS

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- Java, Python, C, SQLite, JavaScript, HTML, CSS, OCaml
- Fluent in Russian