

# Daniel Kiselev

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## EDUCATION

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### University of Rochester

*B.S. in Computer Science, Economics Minor*

**Rochester, NY**

Expected May 2019

#### Relevant Coursework:

- Computer Science: Web Development, Data Structures, Computation & Formal Systems, Mobile App Dev, Artificial Intelligence, Computer Organization, Machines and Consciousness.

#### Extra-Curricular:

- **Sigma Alpha Mu - Mu Rho (January 2016 - Present)**
  - Philanthropy Chair, Technology Chair

#### Projects:

##### **Mobile Messaging App – Mobile App Development Final Project (Java)**

- Developed a messaging app for the Android platform
- Used Google's Firebase for Realtime Database to store messages, friends, and other personal data. Also uses Firebase's Authentication to simplify that registration process. Uses asynchronous computation, so the interface never lags when data is transferred and updates in real-time.
- Used public libraries to encode UUID into QR codes, so users would be able to easily add each other by simply scanning a QR code.

##### **Machine Learning – Artificial Intelligence (Java)**

- Created a program that predicts results using either a neural net, or a decision tree.
- Neural net is correct 99% based 1000 random data sample predictions if using load file with pre-set weights.
- Neural net and the decision tree relearn the data samples with each run. The neural net also has the option to load weights based on an extensive learning session of 15 million random data samples.

##### **Neural Net MNIST – MTX Group Inc (Java)**

- Developed and trained a neural net to identify hand written digits.
- Training & testing data was acquired from The MNIST Database: <http://yann.lecun.com/exdb/mnist/>
- This was an early byproduct of mine in an effort to learn more about machine learning in computer vision and the various best practices.

## WORK & LEADERSHIP EXPERIENCE

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### MTX Group Inc

*Technical Consultant/Software Developer*

**Troy, NY**

May 2018- August 2018

- Providing consulting to clients regarding salesforce implementation and web development.
- Conducting R&D for the Maverick.io artificial intelligence platform.
- Conducting R&D for projects in web development to meet client's standards.

### Dwight-Englewood School/ DE 360

*Technology Teacher Assistant*

**Englewood, NJ**

July 2017- August 2017

- Teaching fundamentals of Unity, Python, and raspberry pi.
- Maintaining and creating financial reports for DE 360 summer program.

## SKILLS

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- Java, Python, C, Android Development, SQLite, Website Development, JavaScript, HTML, CSS
- Fluent in Russian