

Daniel Kiselev

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EDUCATION

University of Rochester

B.S. in Computer Science, Economics Minor

Rochester, NY

Expected May 2019

Projects: github.com/danielkiselev

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.

Whip – DandyHacks Hackathon Project

- Winner of Google's prize and FactSet's prize
- Web app which provides Lyft drivers information about when airports will be the busiest in the coming days. This is done by geolocating the user and finding their nearest airports and scraping airline data for arriving flights.

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

- Translates a C program into assembly styled code. Essentially taking a normal C program and translating it into a smaller subset of C. The same project was done in both OCaml and in Python providing identical functionality.
- Done by implementing a scanner/tokenizer; a parser for parser tree generation; a translator to convert the parse tree into the desired output.

Extra-Curricular:

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

WORK & LEADERSHIP EXPERIENCE

MTX Group Inc

Troy, NY

Technical Consultant/Software Developer

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

Englewood, NJ

Technology Teacher Assistant

July 2017- August 2017

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

SKILLS

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