

# ALEX ANDREI

## Education

Lindenwood University Aug. 2016 to Current  
B.S. Computer Science 2019  
GPA: 3.87  
Relevant Coursework: Computer Science I & II, Data Structures, Databases, Operating systems, Assembly language, Discrete Math, Calculus I & II.

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🌐 AlexAndrei98

Incredibly passionate about people and technology. Trying to change lives one by one.

## Skills

### PROGRAMMING LANGUAGES

Python  
JavaScript  
Java  
C++  
Git

### TECHNOLOGIES

Jupyter notebook  
Numpy  
Pandas  
Sklearn  
Keras  
OpenCV  
Hadoop  
AWS  
SQL  
noSQL  
Visual Basics  
Tensorflow  
Agile  
SaaS  
Spring  
Grails

### SPOKEN LANGUAGES

Italian  
Romanian  
English  
French

## Employment

Reinsurance Group of America St. Louis, MO  
Data Scientist - Intern Jan. 2019 to Current  
I trained models such as GLMs and gradient boosted random forest and was responsible for feature engineering.  
I performed initial analysis, exploration and data cleanup for new data sets that were provided to the team.  
I extracted and cleaned audio data to feed into Tensorflow neural network to create predictions.

Reinsurance Group of America St. Louis, MO  
Software Engineer Java - Intern June 2018 to Current  
Streamlined the deployment process in Jenkins.  
I worked closely with CloudOps to migrate applications to AWS.  
I contributed to in house software development for RESTful API.  
I integrated tests to make sure that the applications work properly.

Washington University in Saint Louis St. Louis, MO  
Data Analytics Bootcamp - Teaching Assistant June 2018 to Sept. 2018  
I supported a rigorous data analytics boot camp at Washington University in St. Louis with more than 100 hours of in-person student support. The curriculum includes Excel, Python, JavaScript, SQL, R, Tableau, Hadoop, D3.js and more

FastCampus LLC St. Louis, MO  
Web Developer Sept. 2017 to Jan. 2018  
I use React, Node.js, and MongoDB to create a Blackboard-like platform for students.

Lindenwood University St. Charles, MO  
Tutor Sept. 2017 to Jan. 2019  
I assist professors in the Mathematics and Computer Science department in correcting assignments. Furthermore, I help students with questions in computer science and math classes.

## Projects and Research

Extracting Medical Data from Wikipedia Aug. 2018 to Sept. 2018  
Article for the Society of Actuaries (SOA): Predictive Analytics and Futurism, Issue 18, 16.  
I used python for parsing the the latest wikipedia xml dump and extrapolated all of the diseases and drugs .  
I created a csv that contains the major information of each disease and drugs with several codes to classify each one.

Sklearn Implementation Spring 2018  
I have written my own implementation of a Logistic Regressor, Linear Regressor, a KNN classifier and a Classification Tree.  
I used numpy and scipy to perform the mathematical calculations.

Game of Thrones book analysis Feb. 2018  
I use the networkx package to run different network analysis algorithm, which include measuring the degree centrality, betweenness centrality and PageRank.  
I use the pandas library to manipulate the data and matplotlib to display my findings.

Count on It Nov. 2017  
Created a Microsoft HoloLens app using Microsoft Custom Vision to Identify and count Pills.  
I trained the Custom Vision algorithms using Node.js

U Mad Bro? Spring 2017  
Developed a Pebble app that uses IBM Watson API to determine the mood of a recording and return a color describing each mood.  
I used JavaScript and Pebble development tool to implement voice to text recognition.  
I presented the idea in front of a crowd up 200 people.

## Awards

Best use of Here.com API 2018  
TigerHacks · Best use of AWS 2017  
HackCu · 3rd Place 2017  
ArchHacks · Best Hardware Hack 2016  
ArchHacks · Best Device Privacy Hack 2016

## Leadership

Computer Science Club · Treasurer Apr. 2017 to Current  
I have budgeted money for the organization.

Delta Tau Delta -Iota Chi Chapter · Secretary Nov. 2016 to Current  
I was in charge of making sure the chapter was involved on campus.  
I kept track of members' status with the fraternity.  
I learned how to deal with people on a enterprise level.