# Yichen Shen (Eddie)

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Objective: Looking for a summer internship position as a data scientist.

## EDUCATION

### Georgia Institute of Technology, Atlanta, GA

*MS, Analytics*

August 2016 - December 2017 (Expected)

- Computational Data Analytics track, GPA 4.0
- Completed Coursework: Machine Learning, Big Data Systems and Analytics, Data and Visual Analytics, Information Visualization
- Coursework in Progress: Natural Language, Text Mining, Reinforcement Learning, Big Data Analytics for Healthcare

### Carleton College, Northfield, MN

*BA, Mathematics and Economics*

September 2010 - June 2014

- Major GPA: 3.77
- Relevant Coursework: Statistical Inference, Probability, Advanced Linear Algebra, Applied Regression Analysis, Data Structure, Algorithm, Software Design, Econometrics, Stochastic Process, Real Analysis I/II

## SCHOOL PROJECTS

- Built a visual analytics system to recommend restaurant for groups. Performed collaborative filtering upon large Yelp datasets using R to predict users' dining preferences and created an interactive visualization using Python and D3.js
- Set up Convolutional Neural Networks for recognizing handwritten digits using Google Tensorflow and optimized performance via parameter tuning and smart batch sampling
- Built an interactive data visualization system with health ranking data for different states
- (Undergraduate thesis) analyzed monetary policy efficiency across countries using vector auto-regression and investigated its relationship with capital markets

## PROFESSIONAL EXPERIENCE

### Research Analyst, Global Economics Group, Chicago, IL

September 2014 - June 2016

- Performed data/quantitative analysis to provide support for economic-related litigation cases.
- Performed complex security damage analysis using SAS
- Conducted general quantitative/qualitative research to provide accurate and detailed information for lawyers, experts, or higher-level managers
- Assisted in drafting reports, exhibits and memos for litigation purposes
- Developed and managed SAS program templates for routine data manipulation tasks

### Intern, People's Bank of China, Shanghai, China

June 2013 - August 2013

- Compiled data from public database for researchers in the bank and created weekly reports of macroeconomics statistics

## SKILLS

### Programming Languages

Python, SQL (Intermediate); Java, Matlab, JavaScript, PHP, HTML/CSS (Familiar)

R, SAS (Intermediate), Stata (Familiar)

### Big Data Analytic Tools

Hadoop, Spark, AWS, Azure

### Data Visualization Tools

D3.js, Tableau

### Other Tools

Excel, Microsoft Office

## LANGUAGES

Chinese (Native); English (Proficient)