# YE WANG

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## Education

**Fordham University**                                                                                                                New York, NY
Master Candidate in Computer Science  GPA: 3.7/4.0                                                   Expected: December 2018
*Graduate assistantship*
**Fisher College**                                                                                                                        Boston, MA
BS in Management, Computer Information System                                                           January 2016 - July 2017
*Dean's List Spring 2016; Dean's List Fall 2016*
**Boston University**                                                                                                                   Boston, MA
BS in Electrical Engineering                                                                                           August 2013 - May 2015

## Coursework

Mobile App Development | System Analysis and Design | System and Network Fundamentals | Machine Learning | Data Structures and Algorithms | Financial Programming | Database Design | Object Oriented Programming | Computer Language Theory

## Skills

Programming language: Python, Java, JavaScript, SQL, MATLAB, HTML, Swift
Database: MySQL, MongoDB
Software & Frameworks: Linux, Ajax, jQuery, AngularJS, Node.js Django, JUnit,Spring MVC, Hadoop, Git

## Work Experience

**Fordham University**                                                                                                                New York, NY
*Web Assistant*                                                                                                            November 2017 –  Present
- Manage and maintain Economics Department's web content through JADU CMS.
- Design and develop the whole Front-End architecture of Fordham University Econ departments's web site.
*Graduate Research Assistant*                                                                                        August 2017 - Present
- Gather information on 3D Space Filling Polyhedron problem.
- Work with Dr. Habib M. Ammari on writing a book chapter about maximizing wireless sensor networks (WSN) coverage in three dimensional space.

**Vividing Inc.**                                                                                                                        Framingham, MA
*Software Engineer Intern*                                                                                          May 2017 – August 2017
- Built from scratch an Integrated front-end system with a team using HTML and CSS to transform PDF textbooks into highly interactive and mobile first digital contents to improve user reading and learning experience.
- Rearchitected and developed the company's homepage using React and Bootstrap.
- Improved the frontend loading speed by 40% using Ajax and pre-render.
- Migrated and deployed company's webpage from cloud hosting service to local servers, which cut company's spending on server hosting services.

**Chang & Deka LLC**                                                                                                               Arlington, MA
*Immigrant Investor Consulting Intern*                                                                       June 2016 - August 2016
- Analyzed and evaluated key figures of three different investment projects using SQL.
- Collaborated with accounting team to compile and review corporates' financial statements.
- Sent weekly reports and followed up with clients regularly to help monitor their investments.

## Projects

**Data Analytics and Machine Learning - Stock Option Implied Volatility Calculation**
- Built and embellished a GUI using TKinter to prompt users' input for their desired stock options.
- Crawled real time stock options data using **Python Pandas.**
- Preprocessed and classified data set into European and Non-European options by data cleaning, outliers removal and feature correlation, etc.
- Integrated a machine learning models system including KNN, Random Forest, SVM and Gradient Boost to predict implied volatility's behavior under each individual model and evaluated their performances.