# Joe Zhou

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## Education

**Boston University College of Arts and Sciences**, Boston, MA                                        May 2017
Bachelor of Arts in Computer Science
Cumulative GPA: 3.34

**Boston University Questrom School of Business**, Boston, MA                                        May 2017
Bachelor of Science in Business Administration and Management
Cumulative GPA: 3.35

## Applications

- **Traffic Density Light Controller:** Java application that uses density measurements with priority queues, multi-threading, and semaphores to reduce traffic wait times across cities in India

## Academic Projects (Available on GitHub)

- **Word Manipulator:** Python program that uses sequence alignment through dynamic programming to determine the fastest method of changing one string to another
- **Syntax Tree Evaluator:** Python abstract syntax tree evaluator that uses substitutions, unifications, and evaluations to determine various syntax tree functions
- **Reliable Transport Protocol:** C transport protocol that reliably communicates messages between the Application and Network Layers using timeouts, checksums, and duplicate ACKs

## Leadership

**Boston University Outing Club;** Boston, MA                                        April 2014 - Present
*Trip Leader*

- Manage outings, budget up to $200 for trips, communicate with members and organizers to successfully organize six day and overnight in and out of state events
- Direct activities, delegate tasks to co-leaders, and supervise upwards of 45 trip participants to ensure a safe and enjoyable experience

## Work Experience

**Pactera Technology International Ltd.;** Beijing, China                                        June 2016 – September 2016
*Data Science Intern*

- Implement Hadoop and Spark multi-clusters across machines to improve data storage capabilities and enhance data processing speeds
- Generate linear regression models for large datasets through pyspark to analyze and predict variables such as housing prices across Beijing

**Boston University Questrom School of Business IT Office;** Boston, MA                                        June 2015 – July 2015
*Web Developer Intern*

- Devise and employ websites for customers using HTML5, CSS3, JavaScript and WordPress tools that permit easy interaction and modification

## Skills

- *Computer:* Java, Python, C, Assembly, HTML5, CSS3, JavaScript, Hadoop/Spark, Microsoft Office
- *Languages*: Fluent in English, relative fluency in Chinese, AP level Spanish