Yong (Caleb) Zhou

**Cambridge MA, 02139** [**yesyong@bu.edu**](mailto:yesyong@bu.edu)

**+1 (718) 813-4377** [**https://github.com/YongLAGCC**](https://github.com/YongLAGCC)

**EDUCATION**

***Boston University (Graduated: Jan, 2020)* 2017 - 2020**

Bachelor of Computer Science Major GPA: 3.25/4.0

* Related Courses: **Python, SQL, Hadoop NoSQL** (Relational, semi-structured XML, JSON in Java), Data Science in **R, Python, NumPy array, pandas Series, pandas Data Frames, development** of services and tools in analysis, applied **Java** in data structure, OOP system in C++

Tool: JavaScript, Python, R, Pandas DataFrame, NumPy array, Java, C++

*LaGuardia Community College, CUNY* 2016 - 2017

Associate of Computer Science GPA: 3.88 – 4.0

# WORK EXPERIENCE

Software Development Intern | BCTC technology **Sep 2017 - Jan 2018**

* Tools: Node.js, MongoDB, JQuery.js, JavaScript, Bootstrap, React.js, HTML, CSS
* Identified clients’ preference to design web pages by devising different techniques in server-side and client-side development
* Implemented user login via third-party Oauth protocol by using passport.js library to look up user info, decode profiles and decode cookies
* Created MongoDB schema to save data in our database and display products on different thumbnails to clients

[**Data Analyst and Undergraduates Research**](https://github.com/YongLAGCC/Customer_Churn_Prediction) **|** NSFs **Jun 2017 - Sep 2017**

* Tools: **Python, RapidMiner**, Machine Learning (Topic Modeling), Scikit-Learn
* Identified driving factors (customer purchase frequency, monetary decision, etc.) for downstream analysis and modeling for customer churn in supermarkets
* Implemented data cleaning and business logic to derive customers and products departmental KPI
* Developed Cross-validation that outperformed the baseline model by 4% to improve the supermarket decision making

# PROJECTS

[**Web Development on Movies Recommendation**](https://github.com/YongLAGCC/cs411-final-proj) | Boston University **Aug 2019**

* Tools: Node.js, MongoDB, Express.js, Pug, Bootstrap, CSS, HTML, Python
* Implemented web pages to suggest movies base on users’ preference of watched movies or searched results
* Utilized Facebook Oauth and caching to have quicker response to our users to find a liked movie

[**Data Analysis on Tesla Inc’s Stock and Media**](https://github.com/YongLAGCC/Tesla-Inc-s-Stock-and-Media-) **|** Boston University **Nov 2018**

* Tools: Python, **R, Shiny**, NLP, Machine Learning, AWS, RStudio
* Evaluated effects of media sentiment on the predicted price of Telsa stock using regression analysis
* Researched on the correlation of Tesla stock price trend and news (CNBC, etc) release
* Delivered real-time insights to help beginners and professionals trade through Shiny app deployed on AWS

[Role-Playing Game](https://github.com/YongLAGCC/cpp_game/blob/master/README.md) - (Team leader of three members) **Dec 2016**

* Designed a zombies vs human role-playing video game with multiple files, classes, modules containing different functionalities
* Applied **OOP** principle to encapsulate functionalities and make implementation extensible and reusable

# LEADERSHIP

Executive Treasure for Student Government Association (SGA) **|** LaGuardia College (CUNY) **Jun 2016 - Sep 2017**

* Tools: Excel, **Dash board**, **Tableau**, Word
* Created monthly reports by analyzing student activities fee for college associate meeting in 40+ clubs and events
* Collaborated with Business department and allocated $79,670 budget for SGA activities to create events
* Monitored College Association financial account of $ 1.4 million, reported expenses weekly and calculated budget by Excel, and analyzed the approved expenses

# SKILLS

* Python | **Java** | **C++** (4yrs) **| R** | SQL | JavaScript | Node.js | Machine Learning | jQuery.js | MongoDB | Git
* IDE: Eclipse | PyCharm | Dr. Java | VSC | Visual Studio | Android Studio | Visual Studio Code | Jupyter Notebook
* Experienced: Linux, Windows, macOS | Analysis in R, Python, SQL, Excel | Android, Web Application
* Hobbies: Reading, Guitar, Cooking