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|  | 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) |

Detail-oriented undergrad with a solid foundation in software programming development, seeking to leverage my coding and analytical skills as an analyst career. My goal is to be a data scientist to scale analytical solutions to business problems

**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 designed web pages by devising different techniques in server-side and client-side
* Established User Login by third-party Oauth, integrated passport.js library to look up and create user info, decode cookies
* Created the MongoDB module, 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, Excel

* 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**



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

♦ Tools: Python, R, Shiny, NLP, Machine Learning, AWS, RStudio,

* Evaluated effect of variables on Tesla’s stock price prediction price from different Media by regressed scores
* Researched on the correlation of Tesla stock price trend and news (CNBC, etc.) release
* Delivered real-time insight 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, created zombies and human role-playing video game with multiple files, classes, modules by 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 | Virtual Studio | Android Studio | Virtual Studio Code | Jupiter Notebook
* Experienced: in Linux, windows, mac | Analysis in R & Python & SQL & Excel | Android & Web application

**EDUCATION**

|  |  |
| --- | --- |
| **Boston University** *(Graduated: Dec 2019)* | **2017 - 2019** |
| *Bachelor Science of Computer Science* | Major GPA: 3.25 / 4.0 |

♦ **Related course**: **SQL, Hadoop NoSQL** (Relational, semi-structured XML, **JSON in Java**), Data Science in **R,**

Python development of services and tools in analysis, applied Java in data structure & SQL,OOP system in C++

**LaGuardia Community College | CUNY**

**2016 - 2017**

*Computer Science*

GPA: 3.88 / 4.0