Yong (Caleb) Zhou

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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 : Python, R, Pandas DataRrame, 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 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	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

Data Analysis on 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 - (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
• Hobbies: Reading, Guitar, Cooking