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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: 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 | 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 | 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 | 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 - (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