QIKE YAN

505 W 54 St, New York, NY, 10019 | (646) 206-1380 | qyan13@fordham.edu | LinkedIn | Github

SUMMARY

- Software Engineer with Graduate training has 2 years of experience in software development
- Proficient in Java, JavaScript, SQL and frameworks like Express, Apache Spark, Hadoop
- Looking for a challenging position in a fast-paced environment

EDUCATION

M.S. in Computer Science *GPA:3.9/4.0* ***Sept 2017 - May 2019***
Fordham University, New York, USA
B.E. in E-Commerce with Laws Dean's List, 2013-2017 ***Sept 2013 - May 2017***
Beijing University of Post and Telecommunication, China

TECHNICAL SKILLS

Programming Languages : Java, Python, JavaScript/Node.js, R, SQL, C, MongoDB
Applications : DataStax DevCenter, Google Analytics, Perforce, Postman, SQL Server, TFS, IntelliJ
Libraries and APIS : Express, Sequelize, React, Apache Spark, Spring Framework, jQuery, MapReduce, MVC.

WORK EXPERIENCE

Team Lead and Full-Stack Engineer **Fordham University, NY** ***Dec 2018 – Mar 2019***

- Pitched, and led the development of a single page application as a means for students to connect and share resources.
- Configured and created login and registration strategies using Passport.js with Express-session for user authentication.
- Built RESTful APIs with Node.js and Express.js for posts and comments retrieval, deletion, creation and modification.
- Developed a chat application that allows students to exchange messages using socket.io and Node.js for the server side.

Software Engineer **Etomon , NY** ***Oct 2018 – Dec 2018***

- Worked on ETOMON education web service, a web platform provides online courses for users globally.
- Assessed customer needs and coded in Node.js to develop backend functionality for user reviews, login and user authentication.
- Designed and created responsive and cross-platform compatible web interfaces for optimal user experience using SCSS and media queries
- Reduced average page load time by 200% by minifying, combining JS and CSS files, and implementing lazy images loading

Graduate Research Assistant **Fordham University, NY** ***Apr 2018 - Nov 2018***

- Developed an algorithm in Python for enabling quadcopters to detect wind speeds with an average accuracy of 92% based on data analysis and predictive modeling. The script can perform data streaming from an in-motion drone and enable real-time wind speed detection.
- Built a data pipeline in Python to generate high-level features based on experiments to allow conventional machine learning algorithms to work with time-series data.
- Used advanced data visualization techniques to identify the reason for predictive models' inability to distinguish wind directions.

Software Engineer **State Grid of China ,Beijing, China** ***Sept 2016 – Feb 2017***

- Worked with team to design and implement an Android application to visualize energy consumption of EV charging stations
- Developed backend functionality in Java, including collecting, transforming, storing and cleaning daily electricity consumption data
- Integrated the unit test cases with TSS (Test suite) to automate the test process. Generated test reports and communicated with team members to achieve better performance.

ACADEMIC PROJECT

Android Malware Detection ***Feb 2018 - May 2018***

- Trained, tested, and evaluated machine learning models for identifying malware from categorical malware features
- Achieved approximately 99.8% classification accuracy

Train Schedule Management System ***Apr 2015 - June 2015***

- Developed a passenger train schedule visualization and resource allocation tool for a Beijing special journey train system
- Applied agile software development model and MVC, Decorator and Visitor design patterns
- Created a UML that explains the relationship between classes and inheritance tree to team
- Validated the system with an extensive testing framework including white/black box testing, regression testing and unit testing