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| **Yueqi Peng**  Software Developer  Hardworking and dependable candidate successful at managing multiple priorities with a positive attitude. Values teamwork and adaptable to different work demands. Holds a analytical mindset owing to background in mathematics and experience in Big Data engineering. Passionate about programming and has a keen interest in developing AI products during free times. | Mobile: (205) 519-1594  [yueqipeng2021@gmail.com](mailto:yueqipeng2021@gmail.com)  LinkedIn: <https://www.linkedin.com/in/yueqi-peng-304943214/>  GitHub: <https://github.com/happinessbaby> |

**TECHNICAL SKILLS**

Languages: Python, C#, Scala, SQL

Tools: Spark, Kafka, Tableau, TensorFlow, Pandas, SciKit Learn, MS Office Suite

Database: Hadoop, MongoDB, MySQL, Redis

Cloud computing: AWS EC2, GCS

PROFESSIONAL EXPERIENCE

**Walmart**  05/2022 - 10/2022

**Big Data Engineer**

* Collaborated with cross-functional teams in evaluating and improving low level design of new back-end features that included streaming services and data analytic sectors
* Tested methodology with writing and execution of test plans, debugging and testing scripts and tools, and revamped old code bases to modern development standards for improved error handling and data handling to meet the functional programming paradigm
* Participated in Agile development and deployment of the CI/CD pipeline, including testing workflow, writing unit tests, and summarizing biweekly Agile cards
* Completed all assigned tasks within a timely manner, aided other team members, and took on extra responsibilities to meet team goals

**Revature** 01/2022 - 12/2022

**Big Data Engineer**

* Implemented the complete Extract, Transform, and Load process using tools such as Scala, Spark, Hadoop, and SQL
* Worked with other members on Big Data related projects, including building a pub-sub API using Spark-Kafka Integration through Kafka’s Consumer and Producer framework, setting up remote HDFS cluster on AWS for downstream data analysis, and building correlation matrix and logistic regression model for prediction of trends using Spark MLLibs

EDUCATION

**University of Chicago**, Chicago, IL

Bachelors of Arts: Mathematics 2009 – 2013

**CERTIFICATION**

**FourthBrain**  12/2022 – 04/2023

Machine Learning Engineer Program

* Learned Exploratory Data Analysis, feature engineering, and statistical principles and modeling technique through analyzing pricing trends, developing forecasting models, and conducting statistical analysis.
* Collaborated with other team members in creating a Reinforcement Learning capstone project on saving space in 3D box packing for logistic companies and showcased project’s business values and increased KPI for percentage of space packed from 70% to 75% when comparing AI’s box packing plan to those drafted by human experts

**TRAINING**

**TaskImpetus Inc.** 06/2023 – present

* Learned data analysis tools such as Tableau, Pandas, and Matlab Plot and used them to create Dataframes, graphs and charts, dashboards and stories for a variety of practical data sets
* Applied acquired skills and knowledge to successfully complete projects and derive valuable insights for decision-making.

**PROJECTS**

**Empowering Job Seekers with LLM** (ongoing)

* Using Large Language Model in building a site that can help job seekers write a cover letter, improve on their resume, and practice for mock interview

**3D Packing with Reinforcement Learning**

* Designed and Built a 3D bin packing environment in Unity
* Implemented and managed parallel environment training and curriculum learning using ML-Agents toolkit for better Reinforcement Learning solutions