

# Lifan(Lee), Shi

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## EDUCATION

**09/2018-06/2022 University of Washington**

**Seattle, WA, U.S**

*Bachelor of Science in Informatics (Data Science Concentration)*

*Award: Dean's List of 6 Quarters*

Core modules: Foundation Skills for Data Science, Core Methods in Data Science, Advanced Methods in Data Science, Introduction to Machine Learning, Databases and Data Modeling, Database Design and Management, Information Architecture, Client-Side Development, Data Structures and Algorithm

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## SKILLS

### IT SKILLS

Java, R, Python, PowerBI, Tableau, SQL, HTML & JavaScript & CSS, Agile Methodology, MS Office

### LANGUAGES

Mandarin (Native), English(Proficient), French (Conversational)

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## INTERSHIP EXPERIENCE

**06/2021-09/2021 Amazon**

**Shenzhen, China**

### **Business Analyst Intern, Product Sourcing Team**

- Collected external data of export values by using Excel and writing SQL Query on Hubble and ETL
- Obtained Amazon's Sale data using ETL; Used Python to automate the process of combining these datasets and reprocessed data to indicate market values
- Combined the dataset with other large datasets by using SQL on QuickSight and built a Dashboard of interactive visualization on QuickSight
- The dashboard improved working efficiency and was highly praised by the team helping sourcing teams understand business and market trends better

**06/2018-09/2018 SHENGRUI Education Consult Company**

**Shanghai, China**

### **Business Analyst Intern**

- Applied SQL to analyze customer needs and provide feedback to the marketing department
- Coordinated with overseas partners to streamline the working process and solve communication problems caused by different time zones and local practices
- Cleaned a dataset of over 10000 rows by correcting errors and dropping poor quality data using Excel; Drafted a report on possible solutions in improving data quality

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## SCHOOL PROJECTS & RESEARCH

**09/2020-12/2020 Database engineer and front-end developer**

**Seattle, WA, U.S**

- Conceived, diagrammed, coded and populated an original database for managing coupon websites using MS SQL Server 2016.
- Built multiple stored procedures with input parameters, variables, error-handling and explicit transactions to manage INSERT activity.
- Created synthetic transactions/test wrapper around original production stored procedures to validate throughput volume of 100,000+ INSERTS
- Created nested stored procedures with output parameters to improve modularity of database environment
- Developed both routine maintenance and disaster-recovery plan as part of a Service-Level Agreement (SLA)
- Developed a web front-end user-interface that calls stored procedures for online data entry and reporting using JavaScript and Python

**01/2021-03/2021 Research on the House Prices of the Greater Seattle Area**

**Seattle, WA, U.S**

- Obtained a dataset with 20 variables and 20,000 rows from Beautiful Soup Library and analyzed the house prices of the Greater Seattle area by the number of bedrooms, bathrooms, and square feet
- Built analysis models by using linear regression, logistical prediction, cross-validation to predict house prices and the probability of a house sold in 6 months

**10/2020-12/2020 FitFriends Website Design Project**

**Seattle, WA, U.S**

- Led a team of four students building up a public website for suggesting people's exercise plans and diet recommendations; Employed JavaScript to optimize the interactive design and error-handling
- Improved the user experience by collecting users' needs, pain points; Designed Gantt Chart to keep the team on track