**Shaoqin Fu**

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**Summary**

Current graduate student having experience in machine learning, database warehouse/mining and web application development with a solid foundation in data structure, data algorithms and Mathematic application. Good problem solver with creativity. Actively looking for Software Development internship/coop opportunities.

**Skills**

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| * **Programming:** Python, Java, Nodejs, HTML, CSS, XML | * **Database:** MySQL, MongoDB, Neo4J |
| * **Software/Tools:** Weka, Tableau, Microsoft Suite, Git | * **OS:** Mac OS, Windows |

**Education**

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| --- | --- |
| **Master of Science: Information Science & Technology** | Expected 2022 |
| Rochester Institute of Technology  **GPA:** 3.8/4.0 | Rochester, NY |
| **Relevant Coursework:** Relational and Non-Relational Database, Machine Learning and Data Analytics | |
| **Bachelor of Science: Mathematics** | 2016 to 2020 |
| University of California, Davis | Davis, CA |
| **Relevant Coursework:** Calculus, Real Analysis, Modern Algebra, Statistics | |

**Personal** **Projects**

**To Do App:** Build full stack web app to allow authenticated user to create, edit, delete tasks as well as editing user information and uploading profile images. Integrate user authentication layer to backend logic through Firebase functions to allow secure storage of tasks. Store user credentials, user information, and task details in Firestore database for easy and fast access of individual items. Style frontend with Material Design Bootstrap for a clean and professional user interface.

**Search Engine for MongoDB:** Stored Stack Overflow data in Mongo Atlas. Built frontend user interface for keyword and Geological location search and displaying search result using HTML, CSS and JavaScript. Created backend logic that performed regex search in the database with Geocoder API and returned matched result to frontend using Express in Nodejs.

**Experience**

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| --- | --- |
| **Graduate Research Assistant** | 05/2021 to Current |
| Rochester Institute of Technology | Rochester, NY |
| * Import packaging sensor data, analyze data statistics, and export summary result into organized folders automatically using Matlab script to effectively manage data. * Create graph visualization and analyzation using Matlab and Excel and summary statistics using python * Predict package temperature during delivery through machine learning model utilizing KNN classifier. Analyze correlation between ambient temperature and packaging temperature to simulate the actual package environment during the delivering process. | |