Yuewu Zhou

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WORK EXPERIENCE

Software Developer, *Inductive Health Informatics*   March 2021 – July 2023

- Built recommendation models using SciKit and TensorFlow to provide user suggestions based on vector analysis and user response rates.
- Developed a web application using Play Framework, React, and Postgres to automated the processing, consolidation, and reporting of laboratory data.
- Set up API endpoints to facilitate data cleaning and validation across multiple applications.
- Optimized back-end algorithms and Hibernate retrievals using performance monitoring as a guideline, achieving a significant reduction in user input latency and loading times.
- Implemented unit testing during development, minimizing errors and edge case scenarios during iterative changes.
- Created customized interfaces following consistent CSS styling across web and mobile platforms to adhere to federal user accessibility standards.
- Managed automated SFTP processes that reduced manual entry for public health organizations and created backup processes to S3.
- Improved ETL processes for HL7 format data by refactoring legacy software, improving speed and accuracy.

Junior Developer, *DataGumbo*   August 2020 – December 2020

- Developed transactional blockchain software using Golang and Node.js that provided oil and gas companies a platform to validate contract obligations using ledgers,
- Retrieved raw data from corporate API endpoints and performed ETL functions to assign custom data types for industry specific purposes, strengthening and automating data pipelines.

Web Developer Intern, *Safety Council of Texas City*   April 2020 – June 2020

- Wrote and maintained administrative controller software and single-page user flows for safety certifications using the .NET Framework and Microsoft SQL Server Management Studio.
- Performed quality assurance, development, and production testing for each development cycle.
- Managed company documentation for cyclical feature updates.

EDUCATION

Emory University, Atlanta GA   December 2020
     Bachelor's in Computer Science and German Studies

SKILLS & TECHNOLOGIES

Skilled:
     Java Play, Python, CSS, HTML
     Postgres, MSSQL, S3
     Linux, CentOS, Windows Server 2012

Proficent:
     C++, JavaScript
     MySQL, Conform
     Bash, CMD, Powershell
     Spring Framework, Python