Pai-Han Bigham Chen

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EDUCATION

BS in Computer Science, minor in Data Science | Brigham Young University - Idaho, Rexburg ID

Projects

- Built a house price prediction model using Linear Regression

- Built a road sign recognition system with Convolutional Neural Networks (CNNs),

- Implemented a subscription prediction model using Decision Trees to identify customer groups and improve conversion rates.

- Designed and executed a customer flow tracking pipeline in PySpark

WORK EXPERIENCE

SDET | FamilySearch, Lehi UT   01/2024 – Present

- Conduct manual testing to validate that API endpoints meet functional and technical requirements

- Perform integration testing and read logs in Splunk to identify and troubleshoot potential system errors

- Write targeted SQL validation suites to verify post-deployment data changes

- Proficient in Agile development practices and team delivery workflows

IT Business Analyst Lead | Brigham Young University - Idaho, Rexburg ID   05/2022 - 12/2023

- Analyzed and maintained data from Excel, created Power BI dashboards, and organized files in Microsoft SharePoint
- Improved data quality workflows to ensure configuration and data accuracy
- Used Python within Power BI for advanced data analysis, visualization customization, and data transformation tasks
- Collaborate with managers in various departments in IT and assign tasks to team members

Technical Skills

- Programming Languages: Python, Java, JavaScript, SQL

- Programming Skills: Object-oriented, Data Analysis, Unit Testing, Machine Learning