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

- Integrate acceptance testing frameworks within a CI/CD pipeline to validate cloud-based applications

- 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

- Execute UI testing using WebdriverIO to validate and ensure the functionality of web features

- Built React components supporting efficient object migration across AWS S3 buckets

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

- Debug build and runtime failures using GitHub Copilot and IDE tooling

- Proficient in Agile development practices and team delivery workflows

Technical Skills

- Programming Languages: Python, Java, JavaScript, SQL

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