**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