

# SAMUEL BENNING

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## PROJECTS

### Bankruptcy Analysis Tool

- Web application with authorization that allows users to input financial data into a machine learning model which returns a “Bankruptcy Risk Value” after feeding user inputs through a Random Forest Regression-based machine learning model.
- Technologies utilized: Python, JavaScript, Bootstrap, Flask, SQLAlchemy, SQLite3, Dash, Plotly, NumPy, Pandas, Scikit-Learn, git
- Programming concepts utilized: OOP, Application Factory

### Quick Scheduler

- GUI-based appointment scheduling software that allows users to perform CRUD. Persistent data storage implemented via a MySQL database. All user input is validated, and detailed error messages are displayed. The application provides all dates and times in the user’s local system time-zone.
- Technologies utilized: Java 11, JavaFX, MySQL, git, Scene Builder, IntelliJ.
- Programming concepts utilized: OOP, MVC design, DAO design

### Inventory Management System

- GUI-based inventory management system that allows users to perform create, update, and delete part and product records which are not persistently stored.
- Technologies utilized: Java 11, JavaFX, git, Scene Builder, IntelliJ
- Programming concepts utilized: OOP, MVC design

## EDUCATION

### Bachelor of Science in Computer Science

01/2021 – 06/2022

Western Governors University

## EMPLOYMENT HISTORY

### Apartments Seldom Scene

09/2020 - Present

HVAC/Maintenance Technician

Troubleshoot and repair a variety of appliances and equipment, with focus on HVAC. Communicate with tenants to schedule repairs. Coordinate work with property manager and maintenance manager.

### Jack Lehr Heating, Cooling & Electric

04/2019 – 09/2020

HVAC Service Technician

Performed troubleshooting and repairs on a variety of HVAC equipment. Explained technical details in an easy-to-understand manner to customers.