# Student Information

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## Portfolio Location: <https://github.com/dpisto/Syracuse-University-ADS-Portfolio>

# Portfolio Table of Contents

## 2. Resume

1. D. Piston Resume 2021.pdf

## 3. Portfolio Paper

1. D. Piston Syracuse University ADS Portfolio Final Paper.docx

## 4a. Project 1 – IST 659 – Database

1. Project: Contains the project description, plan, and code for the project.
2. Data Models:
   * 1. Conceptual Model picture.
     2. Logical Model picture.
     3. Original logical and conceptual model file.

## 4b. Project 2 – IST 722 – Data Warehousing

1. Project Charter – This was a project scoping and planning document created by our group to discuss the project purpose and keep us on a timeline.
2. High Level Dimensional Model – An excel document to aid in data warehouse planning without detailed descriptions of the data types and database details.
3. Detailed Dimensional Model – An excel document that contained the database specifications for all of the data being put into the data warehouse.
4. Code: The following code files were used to create the architecture of the data warehouse, map the existing data to the new data fields, stage the data in a staging database and finally, load the data into the data warehouse.
   * 1. DW FF&FM Warehouse Architecture
     2. Order Fulfillment Fact Mapping
     3. DimProduct Mapping
     4. DimCustomer Mapping
     5. DW Staging
     6. DW Load
5. Data Flow – A photo of the data flow from database to data warehouse.

## 4c. Project 3 – IST 707 – Data Mining and Analytics

1. Project Report – Contains project information, data preparation, data evaluation, data exploratory analysis and model results.
2. Project Code – Contains commented code including data cleaning and model creation