Trendon Cato

Versatile Learner, Quick Study, Problem Solver

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EXPERIENCE

LingoTree Institute, *Database Developer*

June 2018 - PRESENT

- ❖ Designed Library System with authorization levels and reports for detailing information on Staff, Students and Books, backed by Stored Procedures in SQL Server to perform CRUD operations.
- ❖ Created a Summer School Logistics System that stored, queried and reported on records for classes, materials, pricing and staff. In addition, produced templates using Microsoft.Office.Interlop.Word for staff to use as lesson plans.
- ❖ Devised Software to split Google Docs to Excel Columns from a list of dates into individual day columns using 1s and 0s to represent RSVP dates for each attendant
- ❖ Built a Student Management System, backed by SQL Server and C# Winforms for an Interface to replace the previous Excel based database.
    - ➢ Normalized Original Excel Sheet Table to reduce redundancies
    - ➢ Using string functions to extract phone numbers combined with chinese characters from unordered excel column
    - ➢ Using Excel to SQL ETL to extract data to be further manipulated and inserted into SQL Server Database
    - ➢ Using a combination of Stored Procedures and Merges for CRUD operations

Bank of St Vincent and the Grenadines, *Customer Service Representative*

September 2007 - August 2011

- ❖ Cash handling with daily, weekly and monthly reconciliations
- ❖ Introduced customers to new services and products
- ❖ Account Management
- ❖ Relief Duties

EDUCATION

SKILLS

SSRS	★★★★★
SSIS	★★★★★
T-SQL	★★★★★
Matlab	★★★★★
C#	★★★☆☆
Python	★★★☆☆

AWARDS / PUBLICATIONS

Publication
Course Sun Acquisition only with Sun Sensors for Micro Satellites

MOFA Taiwan Scholarship
August 2011 – June 2016

電腦輔助平面製圖
Technifiency Quotient Certification

LANGUAGES

English, Chinese

Tamkang University, B. Aerospace Engineering, Minor
International Business

September 2012 - June 2016

- ❖ GPA 3.478
- ❖ Created a control system for a Stability Augmentation System
- ❖ Designing an automated design synthesis program for the
  conceptual design of a Solar Assisted Hybrid Light Sport
  Aircraft (SAHLSA) employing Matlab, Excel and Catia
- ❖ Initiated research in the utilization of autopilots in my UAV club

PROJECTS

Aircraft Design Weight and Wing Estimation

- ❖ C# driven Dynamic Interface that allowed any variable albeit
  Range, Velocity, Weight, etc, to show immediate results through
  text and Charts (LiveChart and DataVisualization.Charting)
  backed by MathNet.Numeric and ILNumerics for calculations
- ❖ Presented sensitivity results of multiple factors on the Total
  TakeOff Weight
- ❖ Accounted from variation in High Lift Device Type and
  Parameters using Lifting Theory Graph
- ❖ Attached NACA 4 and 5 series Designer with Graphic
- ❖ Atmospheric Calculator that accounted for changes in units and
  values automatically

Voice Recognition System Inclusive of Media Player, Weather, and Web Browser App

- ❖ Voice commands stored in SQL Server Databases accessed in
  Visual Studio C# Winform
- ❖ Speech.Recognition, Speech.Synthesis and System Globalization
  for voice recognition capabilities
- ❖ Python Patch linked to Google API to improve Website Voiced
  Search feature
- ❖ OpenWeatherApi and Newtonsoft.Json for the Weather App

Migrating PostgreSQL to SQL Server

- ❖ Built package to transfer from PostgreSQl to SQL Server
- ❖ Re-established Primary and Foreign Keys
- ❖ Created SCHEMAS for varying tables

- ❖ Re-configured relationships employing Database Diagrams