Joseph P. Pasquale

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Education

University of Massachusetts Amherst *Amherst, MA* | Expected May 2021
B.S in Computer Science & Economics
3.42 GPA| Dean's List: Fall 2017, Spring 2020
Activities: UMass For the Kids, Kappa Sigma Fraternity
Coursework: Intermediate Macroeconomics, Intermediate Microeconomics, Money & Banking, Algorithms, Database Management, Human-Computer Interaction, Web Programming, Introduction to Data Science, Programming for Apple OS Apps, Scalable Web Systems

Work Experience

Information Technology Intern | July 2020 – August 2020
Tech-Etch, Inc. *Plymouth, MA*

- Harvested and converted data from a depreciated Paradox database and imported data into an MSSQL server
- Performed business activity queries and aggregated reports for staff using Epicor ERP Software
- Built a web application which allows users to run queries on a database using a visual interface; written using the Flask web framework

Research IT Office Assistant | May 2019 – August 2019
Research IT Support Services – University of Massachusetts *Amherst, MA*

- Assisted in conversion of legacy data from Smart-Grant Research Grant Proposal System to Kuali Research Grant Proposal System
- Migrated over 5,000 research grant proposals and awards from old database platform to new database platform

Technical Skills

Object Oriented Programming
Languages: Experienced in Java, JavaScript/Typescript, Python, Familiar with Swift
Frameworks: Experienced with Flask, familiar with React, React-Native, SwiftUI, UIKit
Imperative, Low Level Programming
Experienced in C
Web Design
Experienced in HTML, CSS
Database Management
Experienced with SQL, Microsoft SQL Server Management Studio, familiar with PostgreSQL
Data Visualization
Familiar with Tableau
Version Control
Experienced with Git

Projects

MSSQL Server Visual Query Tool (2020)
This webapp allows users to run queries on an MSSQL server. Users can submit queries in two ways: a visual interface, or by writing the SQL syntax themselves. The results of the query will display as a table in the browser window. Users can also export query results as a CSV file. I wrote this application while I was an intern at Tech-Etch Inc.; they needed a quicker way for their typical employee to query the data from their legacy database, which I migrated over to a SQL database.
https://github.com/joepasquale/sql-query-tool

Shelf (2020)
Shelf is a website which allows a user to sign up and store books that they are currently reading, have read, or plan to read. They can search for books which are fetched from the Google Books API, which will return basic information about the book, such as title, author, and publisher, as well as more detailed information, such as cover art and Google Books rating. Users are able to add reviews and ratings to books. Users can share their "shelves" with other people when they add them as a friend, and they can comment on activity from members of their friends list, which show up in a feed.
https://github.com/joepasquale/326-final-sigma