Matthew Angle

Software Engineer

(717)-372-6021 | matthew@matthewjangle.com | mjangle | matthewangle

Overview

I'm a committed and hardworking professional with a passion for software development and data science. I'm enrolled as a student at Shippensburg University with an expected graduation in May 2021. I currently work for The Beistle Company as a Software Engineering Intern.

Education

Shippensburg University

Shippensburg, PA

Bachelor of Science (B.S.), Software Engineering, Minor in Data Science

May 2021

- **Data Science Club:** President
- **Linux Admin Club**
- **Programming Team:** 2018-2019

Temple University

Philadelphia, PA

Bachelor of Arts (B.A.), Philosophy

- **Temple University Undergraduate Philosophy Society:** Secretary

Experience

The Beistle Company

Shippensburg, PA

Software Engineer Intern

Feb 2021 - Current

- Responsibilities include writing SQL queries/stored procedures for reporting, writing stand alone reporting applications and adding functionality to the warehouse management system. Tech worked with include C#, .NET framework, SSMS, VB.NET.

Shippensburg University

Shippensburg, PA

Engineering Support

2020

- Student support for department system administrator. Windows and Linux administrative tasks. Worked with administration utilities, VMware, Active Directory. Unable to continue position because of pandemic.

Skills

Languages: R, Python, C, C#/VB.net Java, HTML/CSS, SQL/T-SQL

Tools: SSMS, Visual Studio, VS Code, VIM, Linux (multiple distros)

Technology: Tidyverse, Pandas/NumPy, SQL Server, .NET, JUnit, git, dolt

Projects

DoltHub Presidential Election Data Bounty:

- **Description:** Sourced presidential election data at a precinct level from state and county websites. Sourced, transformed and inserted data into collaborative database. Third in overall contributions. Received $2,355 data bounty reward.
- **Project Site:** https://tinyurl.com/dolthubbounty
- **Technology Used:** Dolt, Python, MySQL

GAN Based Medical Image Augmentation for Increased CNN Performance:

- **Description:** Senior research to determine if synthetic images generated using GAN's can improve performance of CNN's in medical image classification via augmenting the training data set.
- **Technology Used:** Python, PyTorch, NumPy, Jupyter Notebooks

Startup Data Science Project:

- **Description:** For this project we are working with a 4 person team and a startup company in a Capstone class. My team is implementing a classification project. We use agile development methods and work primarily with R and R Studio.
- **Technology Used:** R, Statistics