Zachary Palmer

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Education

University of Pittsburgh | Pittsburgh, PA   August 2019 – April 2023
School of Computing and Information
B.S. in Computer Science, B.S. in Data Science   **3.90 GPA**
Minor in Applied Statistics

Technical Skills & Languages

Languages
Python, R, Java, SQL, C, HTML, CSS, JavaScript, Haskell

Tools/Frameworks/Libraries
Git, Microsoft Power BI, Pandas, Tidyverse, Flask, JUnit

Work Experience

Deloitte Government & Public Services   June 2022 – July 2022
Solutions Engineering Summer Scholar
- Joined the TSA Analysis & Engineering Innovation Support Services team on a contract targeting model-based systems engineering and other innovative technical support to TSA
- Automated the data transfer and cleaning of model outputs using Python, increasing the efficiency of the data pipeline by multiple orders of magnitude
- Created a dashboard of data visualizations to demonstrate our findings to relevant stakeholders at TSA using Microsoft Power BI

Projects

Trader's Edge   csc_hacks_2021 – November 2021
Hackathon Project
- Developed a React website to help inform new investors on how to diversify and improve their portfolios
- Implemented the data scraping and analysis of super-investor portfolio distributions using JavaScript

Data Science Capstone Project   January 2023 – Present
Class Project
- Collaboration with the University of Pittsburgh soccer teams to utilize datasets of positional data to analyze past games to improve player and team performances
- Create a dynamic web application that allows team members to upload, then both analyze and visualize player locations, velocities, accelerations, and distance travelled using R and R Shiny

Relevant Coursework

Algorithms & Data Structures 1 & 2, Intro to Machine Learning, Database Management Systems, Web Applications, Software Quality Assurance, Electronic Privacy, Statistical Learning & Data Science, Sports Analytics

Awards & Activities

SteelHacks Hackathon | Pitt SCI & Pitt CSC   February 2020

3rd at IBM BlueHack | IBM & Pitt Innovation Institute   October 2019

Pitt Computer Science Club | Member   September 2019 – Present