Jayden Lee

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Education

Purdue University, College of Sciences	West Lafayette, IN
B.S. Data Science	Aug 2022 - Dec 2025
Minor in Management	GPA: 4.0/4.0

Professional Experience

Undergraduate Data Science Researcher | The Data Mine　　　　West Lafayette, IN
- Collaborated with CDC to analyze melatonin product labels to better　Aug 2022 - May 2023
  understand reasons for pediatric melatonin ingestions.
- Conducted data analysis and visualization of data from NIH dietary supplement
  database using R
- Developed a web scraper to scrape label data information from Amazon using Selenium
- Worked under an Agile Environment

Software Undergraduate Research Assistant | Purdue University
- To complete an in-person undergraduate research preparation course　West Lafayette, IN
- To complete a paid research project with a faculty mentor, work with a　Jan 2023 - Dec 2023
  peer research mentor, and present work at the Fall Expo

Projects

Customer Segmentation
- Used dataset preprocessing techniques to develop a dimensionality reduction algorithm
  using PCA and Kernel PCA
- Effectively performed Customer Segmentation using K-Means Clustering
- Visualized and evaluated the clustered customers using Matplotlib and Seaborn

Automated Stock Data Candlestick Chart Dashboard
- Web scraped and stored real time stock data from Yahoo Finance using Selenium
- Built an updating local dashboard displaying Stock information such as price, volume,
  1-year target using Matplotlib

Personal Website
- Designed an interactive personal website using HTML, CSS, and JavaScript
- Honed Front End web developing skills through writing original code

Relevant Courses & Professional Development

Courses:
Python Programming, Programming Methodologies in C++, Object Oriented Programming in Java, Elementary Statistics, Systems Development, Multivariate Calculus, Plane Analytic Geometry And Calculus II
Online Resources:
Responsive Web Design, Deep Dive Into Modern Web Development, Intro to Data Structures and Algorithms, The ODIN project

Skills

Languages: Python, JavaScript, R, SQL, Java, C++
Technologies: HTML, CSS, Numpy, Pandas, Matplotlib, Seaborn
Tools: Visual Studio Code, Git