Ashley Theimer

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Summary

Leader, college athlete, and instructor leveraging computing and information technology skills to solve business challenges. Skills and areas of expertise include:

- Object-oriented Programming
- Python
- Teamwork / Project Management
- Large Language Models (LLMs)
- Java
- PostgreSQL
- Analyzing and Mining Data
- Photoshop
- HTML
- Database Design
- User Needs Project-Based Design (Agile Methods)

Employment

Washington & Jefferson College, Washington, PA   **August 2024 - Present**
Peer Assisted Learning (PAL) Tutor.
Identified by Computer and Information Studies (CIS) professors to be part of a select group that assists fellow students in understanding coding concepts and course material within the CIS program.

- Improve coding skills of students by leveraging a deep understanding and application of CIS coursework. Tutor over 50 students throughout the semester, helping them grasp key course concepts.
- Review and debug students' code, providing clear explanations of functionality and best coding practices.

BlackRocket, Carroll County, MD   **June 2024 - August 2024**
Lead Instructor, Assistant Instructor.
Sparked an interest in a computing career for camp participants by teaching them how to code.

- Instructed over 150 kids from the ages of 6-15. Courses included: Minecraft Designers, Young Coders, Make Your First Video Game, Roblox Coders, Cloud Gamers.
- Coded in new, different software mediums. Adjusted content to engage and educate camp participants.

Mission BBQ, Ellicott City, MD   **October 2021 - Present**
Great Service Representative (GSR) / Cashier.
Ensure a positive customer experience by providing courteous service and order accuracy.

- Provide outstanding culinary experiences by addressing individual needs and delighting customers with quality meals.
- Collaborate effectively with team members in a fast-paced environment.

Projects

Simulation of Walt Disney Magic Kingdom Park.   **November - December 2024**
Leader of a Python six-person group project designed to enhance project management and teamwork skills.

- Designed Functionality: Developed Python functions to create a discrete time simulation of a park with 32 rides, incorporating probability distributions for 50,000 visitors selecting rides.
- Assigned Tasks: Understood and analyzed group members' strengths and developmental areas in coding and project work to delegate tasks effectively, ensuring an even workload.
- Communication: Created documentation for code, design plans, and task breakdowns, outlining required functions and data structures for the simulation. Practiced explaining code functionality to different people.
- Used GitHub to manage code collaboratively across multiple computers and varying student schedules.

UI of Fires In Pittsburgh.   **November - December 2023**

Used object-oriented programming and Java UI to create a program that displays a map of Pittsburgh fires that can be filtered based on fire type and year.

- Cleansed data from a text file with 7926 different fires that occurred in Pittsburgh and created Java class variables to sort their data.
- Used JavaFX to create a map showing the location of each fire (using latitude and longitude).
- Created a drop down menu and event handling to update the map for each of the 10 fire incidents in the data, along with a text box to enter specific years, with error handling

Database of Disney Parks.   **April - May 2023**

Designed and implemented a PostgreSQL database to house and manage data for the Disney parks.

- Created nine tables (Parks, Places, Snacks, Rides, Visitors, Transactions, Positions, Employees, Transportation) to house 85 records of inserted data.
- Developed 14 queries, two trigger functions, and foreign keys to ensure internal data consistency and allow safe updates and inserts to the database.

Education

Washington & Jefferson College, Washington, PA   **August 2022 - Present**

Major: Computing & Information Studies (CIS)
Minor: Business Administration
GPA: 3.867
Relevant Courses:

- CIS 320: Data Structures
- CIS 323: Systems Analysis
- CIS 220: Object-Oriented Programming
- CIS 310: Systems Analysis
- CIS 241: Intro to Data Mining
- CIS 343: Advanced Data Analysis: Simulations
- CIS 112: Database Concepts
- CIS 275: Web Design and Development

Achievements

- Dean's List 5/5 semesters
- Washington & Jefferson Alpha Scholar (2023, 2024)
- Alpha Lambda Delta Honor Society
- Spring PAC Academic Honor Roll (2023, 2024)
- PAC Sportsmanship Team (2024)
- CIS Steinberg Scholarship Recipient 2025

Extracurricular Experience

Softball College Athlete, Washington and Jefferson College   **August 2022-Present**
Kappa Alpha Theta Sorority Member, Washington and Jefferson College   **April 2024-Present**
Varsity Softball Captain & Varsity Indoor Track, Marriotts Ridge High School   **4/4 Years**
Travel Softball Player, Howard County Youth Programs (HCYP)   **August 2013-Present**