

# Thomas Burke

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## Education

### West Chester University

Bachelor of Science in Computer Science | GPA: 3.9

Awards & Honors: Dean's List (Fall 2024, Spring 2025, Fall 2026), Accelerated Bachelor of Science/Master of Science Program

West Chester, PA

December 2025

## Experience

### Wegmans Food Markets

Princeton, NJ

#### Kitchen Team Member

August 2023 – November 2025

- Streamlined efficient kitchen operations by monitoring inventory levels, restocking supplies, and ensuring timely replenishment to prevent shortages.
- Collaborated with team members in a fast-paced environment, balancing multiple tasks while upholding quality and efficiency.
- Demonstrated adaptability by quickly adjusting to changing demands, contributing to a smooth and productive workflow.

### Chick-fil-A

Langhorne, PA

#### Assistant Team Manager

February 2020 – November 2022

- Coordinated training planning and schedules for the store, while assisting new hires throughout the training process.
- Developed and implemented strategies for improving customer service quality and efficiency as well as coworker experience.
- Troubleshoot POS systems and network issues while supporting overall store operations.

## Projects

### Boost My Career

Fall 2025

- Developed and deployed an AI-powered career preparation platform that simulates real world hiring practices, including automated resume feedback and mock interviews based on user's custom job descriptions. It is designed to help improve students' confidence, readiness, and professional performance.
- Built and maintained the full-stack web application using AWS Amplify to host, while utilizing AWS services such as S3, DynamoDB, CloudWatch, Lambda, etc. Implemented a git-based version control and automated CI/CD pipeline for fast and consistent deployments.

### Verus - AI Content Detector

Fall 2025

- Engineered a cloud-based web application capable of detecting AI generated images, video, or text with real time confidence scores, utilizing open source machine learning models.
- Implemented a secure backend using JWT authentication, containerized microservices (Docker), Kubernetes for deployment, and MongoDB for scalable data storage.

### LinkedList Music Playlist

Fall 2024

- Designed and developed a backend Playlist API, creating a custom doubly LinkedList in Java to manage song navigation and list operations for an interactive music player.
- Integrated external libraries to decode, play, and manipulate MP3 files, enabling seamless interaction between the backend and the Java Swing (JFrame) user interface.

## Skills

**Technical:** Canva, Office 365 (Word, Excel, PowerPoint), Adobe, Zoom

**Programming Languages:** Java, Python, JavaScript, HTML/CSS, Kotlin

**Tools and Technologies:** Git, GitHub, CI/CD, VS Code, AWS, Docker, Kubernetes, React, Unix/Linux

**Professional Skills:** Analytical Problem Solving, Communication, Teamwork, Time Management