

RYAN M. THOMAS
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EDUCATION

University of Maryland, College Park
Bachelor of Computer Science

May 2027
CS Major GPA: 3.7

Tuscarora High School

GPA: 4.75

Project Lead the Way (PLTW) Engineering Program (High School)

August 2020 - May 2022

- Worked in groups to understand and experience the engineering process
- Invented water cooler product currently being considered for patent status

Relevant Coursework

- Object-Oriented Programming I/II, Calculus I/II
- Discrete Math and Introduction to Computer Systems
- Algorithms, Data Structures, and Linear Algebra
- Artificial Intelligence, Compilers, Organization of Programming Languages

SKILLS

Technical Skills: Java, Python, C, HTML, CSS, JavaScript, React, OOP, VS Code, Linux, SQL, Git, Tableau, Regex, OCaml, REST
Soft Skills: Interpersonal and Leadership Skills, Team Player, Strong Critical Thinking, Financial Management Skills

TECHNICAL PROJECTS

Veritas Alpha, *Full Stack Application for Stock Analysis*

- Designed and developed a full-stack stock analysis application leveraging React, Python, Spring Boot, PostgreSQL, and RESTful APIs for seamless integration
- Implemented key features including user account management, AI-driven analysis, customizable watchlists, and a dynamic, user-friendly interface

AI Python Wordle Solver

- Developed a Python-based Wordle solver using regular expressions to filter potential solutions, integrated with the Google Gemini API for enhanced word analysis
- Implemented logic to handle correct letters, misplaced letters, and excluded letters efficiently

WORK EXPERIENCE

UFA, Inc.

Germantown, MD

Software Engineer Intern

December 2024 - Present

- Developed Python automation scripts that streamlined customer workflows, generating cost savings in excess of \$40,000
- Designed and developed a Python application to compare performance data from the ATCoach simulator across different software versions
- Helped create a presentation for the FAA, summarizing findings with clear insights and actionable recommendations

Worthington Manor Golf Club

Urbana, MD

Cart Staff/ Pro Shop

September 2021 - August 2023

- Assisted in cleaning and maintaining over 70 golf carts daily
- Utilized communication and logistical skills to solve scheduling, address late arrivals, and customer service issues

EXTRACURRICULARS

Hackathon, *Participant*

April 2025

- Developed an innovative project within a fast-paced, 36-hour hackathon environment.
- Collaborated with a team to design and implement a functional prototype using [technologies used, Python, React, Firebase].

TAMID Group

College Park, MD

Technology Track

September 2024 - Present

- Gained hands-on experience with software development, including coding, debugging, and testing applications
- Collaborated with a team to design and implement tech solutions for real-world business challenges
- Developed skills in project management, problem-solving, and agile methodologies