

Yoseph Tezera

Phone: 301-860-9380 | Email: yoseph.collage@gmail.com | Silver Spring, MD

<https://linkedin.com/in/yoseph-tezera-673909230> | <https://github.com/yosephfy>

EDUCATION AND RELATED COURSEWORK

University of Maryland, College Park, MD

Bachelor of Science in Computer Science, Minor in Applied Mathematics

Expected Graduation: May 2025

Relevant Coursework

- **Advanced Programming:** Object-Oriented Programming, System-Level Programming in C and MIPS, Organization of Programming Languages
- **Data Science and ML:** Data Science with SQL and Python, Machine Learning, Deep Learning, Intro to Artificial Intelligence (AI)
- **Algorithms and Math:** Algorithms, Statistics and Probability Theory, Linear Algebra and its Applications, Advanced Calculus
- **Web Development:** Web Development, Full-Stack Development with JavaScript, Node.js, and React

TECHNICAL SKILLS

Programming Languages: Python (Expert), Java (Expert), C++ (Proficient), JavaScript (Proficient), TypeScript (Familiar), Rust (Familiar), MySQL (Proficient), C (Proficient), C# (Proficient), Ruby (Basic)

Web & Frameworks: ReactJS, Node.js, Spring Boot, HTML/CSS

Machine Learning & Data Science: TensorFlow, PyTorch, OpenCV, Pandas, NumPy, Scikit-Learn, Seaborn, Matplotlib

Tools & Platforms: Git, GitHub, Unix/Linux, Docker, NLP, GANs

Other: Strong experience with Data Structures and Algorithms, Object-Oriented Design Patterns, Database Management Systems (DBMS)

PERSONAL PROJECTS & EXPERIENCES

Neural Network and Convolutional Neural Network (CNN) from scratch

Python | 2023

- Designed a custom neural network from scratch, demonstrating a deep understanding of machine learning fundamentals.
- Developed a CNN using Python, focusing on optimizing architecture for improved performance on image classification tasks.
- Achieved competitive accuracy on benchmark datasets, showcasing the ability to apply theoretical concepts in practical applications.
- Leveraged TensorFlow and NumPy to enhance model performance and efficiency.

School-App

React JS | 2023

- Developed a web-based application for managing school-related tasks and information, inspired by popular platforms like Canvas.
- Implemented full-stack features, including user authentication, data storage, and real-time notifications.
- Used Java Spring Boot for the backend and ReactJS for the frontend, integrating RESTful APIs to handle data flow efficiently.

Sudoku

Unity 2D | 2022

- Created a complete Sudoku board game with a 9x9 grid, multiple difficulty options, hints, and themes using Unity game engine and C#.
- Implemented a Sudoku table generator and solver using efficient algorithms like backtracking, optimizing both memory and performance.
- Gained knowledge in Algorithms, Data Structures, and Animation through online courses.

Stacker

Unity 3D | 2021

- Created a dynamic stacker game that increases in difficulty over time, using Unity 3D and C#.
- Focused on advanced concepts such as game physics, sprite animation, and vector graphics to deliver a polished final product.

WORK EXPERIENCE

Team Leader

Chick-fil-a Tech Road, White Oak, MD | Aug 2021 - Present

- Lead a team of 15+ members, optimizing daily operations and enhancing team performance through data-driven decision-making.
- Utilized databases and checklists to track performance metrics and implemented strategies that increased efficiency by 20%.
- Assigned roles strategically based on individual strengths using team leader skills, optimizing task execution.
- Fostered a collaborative environment, leveraging strong leadership and mentoring skills to improve team morale and productivity.

Volunteer

Habitat for Humanity, White Oak, MD | May 2018 - Sep 2018

- Provided exceptional customer service, fostering positive interactions, and building rapport.
- Demonstrated strong organizational skills by efficiently managing store operations.
- Took responsibility for opening and closing the store, ensuring security and proper procedures.

ADDITIONAL SKILLS

- **Languages:** Fluent in English and Amharic; basic understanding of Spanish.
- **Leadership & Teamwork:** Proven ability to lead and collaborate effectively in diverse environments.
- **Problem Solving:** Skilled in analyzing complex issues and developing innovative, practical solutions.
- **Adaptability:** Quick learner, adaptable to new technologies, and thrives in fast-paced environments.