# Yoseph Tezera

Phone: 301-860-9380 | Email: [yoseph.collage@gmail.com](mailto:yoseph.collage@gmail.com) | Wheaton, 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.