

Emmanuel Girmaye

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EDUCATION

University of Minnesota | Cumulative GPA 3.426

Minneapolis, MN

Bachelor of Science: Computer Science, Minor in Management Information Systems, Statistics

May 2027

Relevant Courses: Introduction to Algorithms and Data Structures, Discrete Structures, Machine Architecture and Organization, Business Statistics in R

Awards: Dean's List 2024, Page Scholar, Rev. Dr. Martin Luther King Jr Scholarship

AFFILIATIONS & SKILLS

Software Skills: C#, JavaScript, Python, Java, HTML5/CSS3, R, Linux OS, Troubleshooting, Excel, Word,

Frameworks: Material UI, ReactJS, EmailJS

Languages: English, Amharic

PROJECTS

Personal Website | HTML5, CSS3, JavaScript

- Developed a responsive personal website with **ReactJS** for dynamic components and **Material UI** for responsive layouts and consistent UI design, showcasing projects and technical expertise.
- Leveraged HTML/CSS, and JavaScript to **dynamically adjust page elements** and content, enhancing user interaction and engagement, and ensuring intuitive navigation and accessibility across phones, tablets, and computers.
- Built and implemented a **contact form with EmailJS**, with automatic replies and admin notifications to streamline communication and improve efficiency.

Minesweeper | Java

- Developed a fully functional Minesweeper game using **object-oriented programming principles (OOP)** in IntelliJ, implementing 10+ classes to manage game logic, grid generation, and user interactions.
- Applied **advanced search algorithms** (depth-first and breadth-first) using **stacks and queues** to enhance gameplay mechanics, ensuring efficient processing of game states and seamless navigation through complex grid structures.
- **Debugged** and tested **1,000+ lines of code** to ensure smooth gameplay performance.

Starship | Python

- Developed an interactive Starship game, utilizing OOP to manage Starship controls, game mechanics, and scoring systems.
- Enhanced user experience by implementing robust **error-handling** mechanisms for 10+ types of invalid inputs and edge cases, ensuring smooth and intuitive gameplay.
- Added 5+ game features, including power-ups, score tracking, and difficulty scaling, increasing replayability.

PROFESSIONAL EXPERIENCE

Coding Tutor | *Code Ninjas* | Edina, MN

December 2022 - June 2024

- Facilitated coding sessions for 50+ students, teaching and reviewing JavaScript code, and assisting in developing **40+ unique video game projects**, fostering problem-solving skills and independent learning.
- Collaborated with 10+ other tutors to plan and deliver coding workshops, ensuring cohesive teaching strategies and a supportive learning environment for all students.
- Represented the company at 10+ public events, engaging with 50+ potential customers and increasing program enrollment.

LEADERSHIP & PROFESSIONAL DEVELOPMENT

Public Relations Intern | *National Society of Black Engineers* | Minneapolis, MN

November 2024 - Present

- Assisted in **planning NSBE's upcoming UMN Career Fair** by emailing companies and coordinating their participation, providing valuable career opportunities for members.
- Coordinated the creation and distribution of newsletters and online posts, ensuring clear, consistent messaging and timely updates for NSBE members at the University of Minnesota, Twin Cities.
- Created and executed **strategic communication plans** to enhance visibility and drive participation in organizational events, boosting attendance and engagement by 10%.

Management Leadership for Tomorrow | *Career Prep Fellow*

January 2024 – Present

- Accepted into a selective 18-month professional development program for high-achieving diverse talent
- Complete business case studies and assignments to grow leadership and technical skills

Social Media/Marketing Position | *Ethiopian Student Association* | Minneapolis, MN

August 2024 - Present

- Created and managed 30+ engaging content pieces (graphics, videos, and posts) across multiple social media platforms, increasing event visibility and community engagement.
- Boosted social media following by 300+ in 6 months, leading to a **20% rise in event attendance**