# Natoli Tesgera

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## Education

| High School Diploma | Eagan High School | *Eagan, MN* | Exp: May 2025 |
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- **Relevant coursework:** AP Computer Science A, AP Calculus BC, Web Development, Harvard CS50X/CS50P/CS50W
- **National Honor Society Member**: Participated in community service initiatives and academic tutoring programs
- **Academic Achievement:** ACSI award recipient with a **3.9/4.0 GPA** and **34 ACT** in **STEM**

## Experience

| Web Development | Capital One Coder Camp | *Remote* | August 2024 |
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- Participated in an intensive remote coding bootcamp focused on **front-end web development** technologies and best practices
- Built responsive and interactive websites by leveraging **HTML, CSS, and JavaScript** in a collaborative learning environment
- Gained practical experience with modern web development workflows and tools under the guidance of industry professionals
- Successfully completed and presented a final project demonstrating acquired skills and programming knowledge

| Web Engineer | The Children's Heart Fund of Ethiopia | *Remote* | August 2023 |
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- Engineered and remodeled an optimized donation page that decreased page loading time by **25%** using **HTML, CSS, and JavaScript**
- Collaborated with a cross-functional team of 5 developers through **Git** version control to ensure implementation of design specifications that streamlined the donation-user journey, and increased user engagement by **20%**

| Teaching Volunteer | Ethiopia Reads | *Addis Ababa, Ethiopia* | June 2023 |
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- Crafted and simplified engaging **English and maths** curriculum for **50+** students in grades 1-6, accumulating **150+** volunteer hours
- Customized interactive teaching materials and visual aids that elevated student comprehension and engagement in both subjects
- Facilitated weekly reading sessions that fostered a love for literature and improved reading habits among participating students

| Head of Front-End Development & Design | TECH-IT-OUT | *Addis Ababa, Ethiopia* | February 2023 |
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- Architected the school's website using Figma for initial wireframing and prototyping, then implemented it using semantic **HTML** for accessible structure, custom **CSS,** and **Vanilla JavaScript** for interactive elements
- Created a library book checkout database system using **Python** and **SQLite** that tracked book inventory, student loans, and return dates, reducing manual tracking time by **50%** and improving book return compliance by **30%**
- Integrated responsive design principles, improving mobile, desktop and tablet accessibility and usability

## Projects

***Bank Management System** - Full Stack Development - **Java** - [Repository ⚙]*

- Devised and constructed a comprehensive **banking management system** featuring secure login, account management, transaction processing, and customer management functionalities
- Utilized **Java Swing** for the front-end interface, providing a user-friendly experience with components for dashboards, forms, and tables
- Implemented the **back-end** adhering to **Object-Oriented Programming** using **Java**

***Live Docs** - Full Stack Development - **TypeScript, CSS, Next.js** - [Repository ⚙][Live Site🌐]*

- Constructed a Google Docs-inspired editor supporting simultaneous editing up to **15** users with less than **100ms** synchronization delay
- Developed the front-end using **Next.js and TypeScript**, styled with **Tailwind CSS**, maintaining a modern and dynamic user experience
- Leveraged **Liveblocks** and **Lexical Editor** to enable real-time synchronization and seamless text editing
- Integrated **NextAuth authentication** with GitHub sign-in, guaranteeing secure user authentication and access control

***Tesgera's Sushi** - Front-end Development - **JavaScript, HTML, CSS** - [Repository ⚙][Live Site🌐]*

- Designed and composed a **fully functional restaurant website** from scratch using raw **HTML, CSS, and JavaScript**, ensuring fast loading and smooth navigation
- Fashioned to streamline **online orders**, potentially reducing manual order errors by **15%** and increasing customer convenience
- Tested with **10** potential users, receiving positive feedback on user experience and visual design

## Skills

- **Languages and Frameworks**: Python, Java, JavaScript, TypeScript, Kotlin, SQL, Flask, Arduino, React.js, React native, C++, PHP, Three.js, HTML, CSS, Next.js, XML
- **Libraries and Development Tools**: Tailwind, Bootstrap, Git VCS, Figma, Webflow, GitHub, Adobe XD. Framer Motion, VS Code, Webstorm
- **Services and DB**: MongoDB, MySQL, SQLite, Amazon Web Services (AWS), Microsoft Azure, Firebase
- **Practices**: Object-Oriented Programming (OOP), RESTful API, Agile

## Leadership and Programs

- **Electrical & Embedded Engineering Club Founder:** Coordinated Arduino-based automation projects and bi-weekly innovation sessions
- **Soccer Team Captain**: Led team strategies and practice sessions, resulting in first place finish in the school tournament
- **JV Basketball Point Guard**: Contributed to team's 12-2 record through strategic gameplay and teamwork