ABENEZER AMANUEL

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EDUCATION

Columbia University, New York, NY   Sep 2021 – May 2025
Bachelor of Arts in Computer Science, GPA: 4.0+
Relevant Coursework: Data Structures in Java, Introduction to Programming in Java, Advanced Programming in C, Computer Science Theory, Discrete Mathematics
Honors & Awards: John W. Kluge Scholar, Dean's List for 4 semesters

SKILLS & CERTIFICATIONS

- **Programming Languages**: Python, Java, TypeScript, C
- **Frameworks/Tools**: React, Node.js, Flask, Telegram Bot API, UNIX Sockets, Git, Jinja
- **Databases:** MySQL, Supabase
- **Certifications:** Harvard CS50x Introduction to Computer Science (Aug 2022), CodePath Intermediate Web Development (May 2023)

EXPERIENCE

LangBot Inc. - Software Engineering Intern | Remote Work   June 2023 – Present
- Developed and deployed a TypeScript-based Telegram bot utilizing the Telegram Bot API to teach English grammar skills to more than 6000 high school students.
- Researched sources of English grammar questions for automated question posting functionality. Incorporated the Open AI API and GPT to generate questions on the fly, enhancing the bot's capabilities.

Columbia University Emerging Scholars Program (ESP) - Workshop Assistant | New York, NY   Sep 2022 – May 2023
- Assisted peer leader in a 20-student workshop class, promoting engagement by leading discussions, organizing breakout rooms, and delivering introductory lectures on computer science concepts such as Computer Vision.
- Supported students by fostering strong relationships, providing constructive feedback, and voicing their concerns to department heads.

Counseling and Test Preparation (CTP) Ethiopia - Tech Team Lead | Addis Ababa, Ethiopia   May 2022 – Aug 2022
- Mentored 200 Ethiopian high school students on the US college application process by delivering experience-driven lectures and answering questions on college search, financial aid, and SATs.
- Accelerated the digitization of our instruction methods by building a courseworks web app, providing mentees with organized access to mentor-released resources, assignments, and videos.
- Enhanced organization-wide record management and enabled personalized profile creation for mentees by integrating a database into the courseworks web app.

KEY PROJECTS

CTP Courseworks Web App | CTP Tech Team | *Python, Flask, HTML/CSS, MySQL, Jinja*   GitHub | Video Demo
- Developed a Flask-based web app for the CTP Ethiopia mentorship program, enabling mentees to create accounts and access mentor-released content in an organized format.
- Implemented user-friendly interfaces for administrators to maintain records of registered students and for mentors to effortlessly release resources, resulting in a streamlined teaching process.

College Application Discussion Forum | Personal Project | *React, JavaScript, Supabase*   GitHub | View Project
- Developed a React-based web forum empowering students to engage in collaborative discussions on the college application process through creating and commenting on each other's posts.

Multi-process Static Web Server | School Project | *C, UNIX Sockets*   GitHub
- Built a multi-process C-based web server utilizing signal handlers, forking, and socket programming that reliably serves files from a specified root directory to HTTP clients by being robust against client failure.

LEADERSHIP & AFFILIATIONS

Columbia University African Development Group | Engagement Chair | New York, NY   May 2023 – Present
Columbia University Ethio-Eritrean Association | Social Team Chair | New York, NY   April 2023 – Present
CodePath | Community Member | Remote   Feb 2023 – Present
CTP Ethiopia | Tech Team Lead | Addis Ababa, Ethiopia   May 2022 – Present
Columbia University Community Market | Community Member, Volunteer| New York, NY   Oct 2021 – Present