

Abdur-rahman Abdulmalik

Atlanta, GA | [linkedin.com/in/Abdurrahman-Abdulmalik/](https://www.linkedin.com/in/Abdurrahman-Abdulmalik/) | aabdulmalik6@gatech.edu | 480-747-1562 | U.S. Citizen

EDUCATION

Georgia Institute of Technology, Atlanta, GA

Aug 2021 - Dec 2024

Bachelor of Science in **Biomedical Engineering**

GPA: 3.11/4.0

Relevant courses: Matlab, Cell Culture, Biostatistics, BME Design, Physiology, MicroDevices, Biomechanics, Circuits and Electronics, Cell Physiology, Multivariable Calculus, Quantitative lab 1, Biotransport

Distinctions: Provost Scholar, Challenge Program Performance Award, Black Alumni Organization Scholar

Estrella Mountain Community College, Avondale AZ

May 2019 - May 2021

SKILLS

Programming - MATLAB, Java, Python, HTML, CSS, Arduino

Soft/Hardware - Excel, SolidWorks, Fusion360, Creo, Powerpoint, Visio, 3D printing,

Communication - Microsoft Office, Arabic Language (advance), social communication, organization

PROJECTS - <https://abdurrahmanabdulmalik.netlify.app>



TOMS - Immobilized children Wheelchair

Fall 2023

- Redesigned a wheelchair using SolidWorks to assist an immobile child, enabling him to stand and reach objects independently.

Prosthetic foot

Fall 2024

- Engineered and produced a prosthetic foot utilizing SolidWorks and Arduino, successfully restoring fine motor skills for an elderly individual in Morocco.

Barbershop Owner

Fall 2021

- Established and grew a business serving over 150 clients, enhancing my time management and marketing skills in the process.

EXPERIENCE

GE HealthCare

Waukesha, WI

Manufacturing Engineer Internship

May 2023 - August 2023

- Developed and redesigned CT dolly used to move a CT machine using Creo parametric designed to be ergonomically safe by preventing bending.
- Filed and Documented an official change in the manufacturing process within CT bays to create a more efficient process for operators
- Designed and assembled tool carts for operators, streamlining their workflow and reducing the number of steps per rotation by 30, significantly improving efficiency on the production line.

Dar un Noor Academy

Atlanta, GA

Geometry, Algebra 2, Robotics part time-Teacher

Aug 2022 - present

- Developed comprehensive lesson plans and taught over 100 students the fundamentals of Geometry, Algebra 2, and robotics through dynamic and engaging instruction.

One Ummah

Atlanta, GA

Youth Mentor

Feb 2023 - present

- Organized and led events as a youth mentor, instilling moral principles through educational talks while fostering unity within the Muslim community through fun and engaging activities.

Georgia Tech Invention Studio

Atlanta, GA

Prototyping Instructor

Nov 2022 - present

- Train students to safely and effectively operate various machinery, including laser cutters, waterjets, 3D printers, woodworking tools, and electronics, ensuring proper usage to complete their tasks efficiently.

Georgia Tech Housing

Atlanta, GA

Resident Assistant

Aug 2022 - May 2024

- Provide individual support, campus resource information, & academic encouragement to 35-65 freshmen
- Administer room agreements, inventory & safety reports, incident documentation, maintenance requests, & emergency protocol under university policy

LEADERSHIP & SERVICE

Muslim Professional Conference, Committee Member, Brothers Vice President of the MSA

Spring 2022

- Organized events for over 300 Muslim college students, promoting community and education.

Islamic Relief USA, Volunteer

Spring 2022

- Collaborated with universities across Georgia to pack 29,000 meals for the homeless population