

# Alhussein Elshowaya

aelshowaya@gmail.com • 571-830-8084

## CURRENT ADDRESS

19 W Marshall Street Apt A  
Richmond, VA 23220

## PERMANENT ADDRESS

1603 Becontree lane Apt 1D  
Reston, VA 20190

**OBJECTIVE:** To leverage my Electrical Engineering background and interpersonal skills to further company growth.

## EDUCATION:

Virginia Commonwealth University – Richmond, Virginia

Expected Graduation: May 2026

Bachelor of Science in Electrical Engineering

GPA: 3.46

## RELEVANT COURSES:

- Computer Programming
- Differential Equation
- Advanced Programming
- Digital Logic Design
- Circuits
- Multivariate Calculus

## TECHNICAL/NON-TECHNICAL SKILLS:

**Programming languages :** Basic C, JavaScript, HTML5, CSS, MatLab, Python

**Software Tools:** AWS, MySQL, Firebase, Monogodb

**Hardware:** Analog and Digital circuit analysis, Arduino

## PROJECTS/RESEARCH:

**React Learning and Website Hosting Project**      **Independent Project**      **January 2023 – May 2023**

- Mastered React components and their integration for building user interfaces.
- Studied various website hosting platforms and technologies for efficient deployment.
- Developed and deployed a personal website using React, focusing on responsiveness and interactivity.
- Managed hosting solutions, ensuring optimal website performance and availability.

**Arduino Theremin Project**

**Team Member**

**October 2023 – November 2023**

- Developed a Theremin using Arduino, ultrasonic distance sensors, and a microcontroller.
- Assembled hardware components including sensors, a digital potentiometer, and a speaker.
- Configured Arduino software with NewTone and NewPing libraries for audio and sensor integration.
- Programmed dynamic pitch and volume control based on sensor feedback.

## EXPERIENCE:

**FixIT Desktop Computer Repair Technician, Richmond,VA**      **Student Intern**      **May 2023 – Present**

- Processed over 200 computer intake forms, ensuring accurate and detailed documentation for effective diagnosis and repair.
- Initiated preliminary diagnostic procedures on incoming hardware, identifying common issues and streamlining the repair process.
- Collaborated with technical teams to prioritize urgent issues, ensuring rapid response and resolution for critical cases.

**United2Heal, Richmond,VA**

**App Developer**

**May 2023 - Aug 2023**

- Enhanced mobile app functionality and user experience using React Native and CSS.
- Managed user data and app states with MySQL databases on AWS, ensuring data security.
- Boosted development speed by 25% through effective teamwork in version control and code reviews.
- Engaged in client meetings for requirement gathering and providing technical solutions, aligning development with client needs.

## VOLUNTEER EXPERIENCE:

**Jacob Chance, Richmond, VA**

**Volunteer**

**May 2023 – October 2023**

- Organized and executed a kickball tournament, promoting inclusivity for individuals with disabilities.
- Actively engaged in inclusive fitness programs and community outreach, enhancing personal development and relationships.

## LEADERSHIP/ORGANIZATIONS:

**Developing Men of Color**

**Secretary**

**September 2022 – Present**

- Maintains detailed records and minutes of meetings, and manages a directory of E-board and committee contacts.
- Organizes monthly calendars for events and activities.
- Provides comprehensive administrative support including email management and query resolution.

## ACTIVITIES/AWARDS:

- National Society of Black Engineers      **Member**      **September 2022 – Present**