

# OLUWAFEMI A SHOBOWALE

[SOBOAYODELE@GMAIL.COM](mailto:SOBOAYODELE@GMAIL.COM) | [LINKEDIN.COM/IN/SOFA](https://www.linkedin.com/in/sofa)

708-295-4456

## OBJECTIVE

To obtain a full-time position in an engineering role that encompasses creating, building, modifying, or testing impactful projects.

## EDUCATION

**Illinois Institute of Technology Chicago IL**  
**MEng. Electrical & Computer Engineering**

**JUN 2020-MAY2022**

**Northern Illinois University Dekalb IL**  
**B.S. Electrical Engineering/Minor in Applied Mathematics**

**MAY 2020**

**GPA: 3.4**

**Relevant Coursework:** Probability and Statistics, Circuit Analysis, Digital Design, Electronic Circuits, Signals and systems, Communication Systems, Theory of Semiconductors, Quantum Physics, C++, Engineering Electromagnetics, Electrical power systems, Control systems 1&2, Biomedical signal processing, Signal detection theory, Microwave circuit, Engineering Mathematics, Antenna Design, Electric Drive.

## PROJECTS

### Ongoing Project – Research in Artificial Intelligence for Computer Vision

- Using neural networks and deep learning concepts for machine vision.
- I am building a military helmet with real-time evaluation. The camera embedded on the helmet uses machine vision to analyze the environment and identify threats while providing real-time feedback and evaluation.

### Senior Design Project – Wearable Micro-sensor for Continuous Monitoring of Cardiovascular systems

- Build a portable device with an accelerometer (ADXL335), which picks vibration from the chest wall.
- The device will monitor; Body motion, heart rate, HRV, and heart sounds.
- The device can also detect cough signals and breathing patterns.

## EXPERIENCE

### Illinois Institute of Technology – Research in Artificial Intelligence for Computer Vision

**Jul.2020 – Date**

- Using neural networks and deep learning concepts for machine vision.

### Northern Illinois University – Supplemental Instruction Leader

**Jan.2018 – May 2020**

- Creates lesson plans for SI sessions.
- Conducts SI sessions with an average of 20 students per session, aside from office hours.
- Explains materials to students using the same method as the professor to avoid learning conflict.
- Holds review sessions, which entails working on materials discussed in class alongside sharing some helpful tips to help students excel in college.

### South Suburban College – Peer Tutor & Supplemental Instruction Leader

**Jan. 2016 – Aug. 2017**

- Provided academic support in a wide range of math courses, including statistics.
- Created lesson plans for SI sessions.
- Conducted SI sessions with an average of 10 students per session twice weekly.
- Helped in the SI center when needed to fill in a position (front desk).

## LEADERSHIP

### Head usher and financial manager at Christ Apostolic Church

**May 201 – Present**

- In charge of the weekly coordination of finance and bookkeeping.
- Handle weekly meetings.

### African Student Association

**Jan. 2017 – May 2018**

#### Membership Chair

- Led initiative of bringing in over 50 freshmen each year to the organizations.
- Created PowerPoints and other visual aids in recruitment process each year that exponentially increased the retention.

## SKILLS

Leadership: Strong Communication, Conflict Resolution, Out-of-the-Box Thinking, and Problem Solving

Software: MICROSOFT OFFICE | ASSEMBLY|MATH CAD| MATLAB | B2SPICE | ARDUINO | WAVEFORM | Python | C++|B2SPICE |FPGA|ORIGIN LABS|OPEN CV|JETSON NANO|LINUX

Languages: Yoruba (Native), English (Fluent)

## HONORS AND AWARDS

NIU honors, NIU dean's list (SP 2017- FA 2018,FA 2020), South Suburban honors, South Suburban College dean's list, PHI TETTA KEPA