

ZAINAB AGBOOLA

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EDUCATION

NEW YORK INSTITUTE OF TECHNOLOGY, New York, NY

May 2020

➤ **Bachelor of Science, in Electrical and Computer Engineering** **Minor: Graphic Design**

GPA 3.14/4.0

Relevant Coursework: Java Programming I & II, Matrix Laboratory, Digital Logic, Calculus I, II, & III, General Physics I & II, Electrical Circuits and Engineering Tools I & II, Differential Equations, & Intro to Electronics Circuits

Awards: *President's Scholarship*

Activities: INROADS Internship Candidate, Student Government Association Vice President, NSBE Regional Programs Chair

Union High School, Union, NJ

June 2016

Relevant Coursework: Introduction to Engineering & Design, Statistics

GPA 4.59/4.0

Honors & Awards: *Top 1% of Class, Class Rank: 6/600, President's Education Award, Rotary Youth Leadership Award, National Honor Society, National Spanish Honor Society, UCNB Financial Scholars, Pre-Medical Honors, ASCE Scholarship*

Activities: President of FBLA, President of the Interact Club, Board Member of the Disabilities Awareness Club

WORK EXPERIENCE

General Electric- Aviation, Cincinnati, OH

May 2018- Aug 2018

Infra Engineering Intern

- Carried a new Turbine Cooling Prediction tool through the Toll Gate 0 process for escalation to Toll Gate 3 and beyond
- Facilitated the storage of standardized Film Cooling Data in a centralized database after approval by Control Title Holders
- Analyzed optimization loops on an Integrated Analysis & Design tool environment to improve automated data matching
- Scheduled and lead stakeholder meetings for the development of the new tool
- Presented New tool development proposal to Control Title Holders for approval and implementation

New York Institute of Technology, New York, NY

Sep 2017- May 2018

IT Assistant/Student Aid

- Performed daily maintenance checks of all technological equipment on campus
- Managed the Distance Learning classrooms and connect them to their counterparts on the other campuses
- Re-calibrated machinery that displayed functioning errors

DownToDash, New York, NY

Jan 2017- Dec 2017

Marketing Intern/Campus Ambassador

- Acted as a liaison between the DownToDash team and the New York Institute of Technology
- Devised marketing strategies to increase the number of student users on the DTD app
- Reached out to other organizations that would be interested in collaborating with the DTD team
- Booked locations for DTD intern meetings and facilitated the transfer of meeting information to other interns

Let's Get Ready, New York, NY

Oct 2016 - Aug 2017

Transition Coach

- Coached 100+ lower-income high-school seniors in the tristate area throughout the college application process
- Reached out to students and notified them of Let's Get Ready's College Preparatory events in the City
- Ensured students were aware of what is expected of them and how to meet those expectations
- Tracked student data through Excel to determine appropriate timelines for outreach to students
- Managed a SignalVine account, using intelligent enterprise text messaging to further appropriate and disseminate information to my caseload

YMCA, New York, NY

Jan 2017- June 2017

Intern/Student Volunteer

- Facilitated the transfer of data from the older YMCA mobile app to the new mobile app utilizing a Daxko update
- Tracked refund request and receipt data using Microsoft Excel
- Managed the role of Human Resources intern in conjunction with my role in the other departments in the office
- Organized and archived data relating to the previous decade to ease data examination and inspection
- Designed marketing and recruitment materials for college recruitment efforts
- Sorted invoices by name and date relative to the previous year
- Managed Manager's calendar to input interviews into available time slots for increased work schedule efficiency

National Society of Black Engineers, Metro/Long Island Zone, NY

Jan 2017- May 2017

Academic Excellence Chairperson

- Assisted in the development of chapter Academic Excellence programs
- Resided on the Regional Academic Excellence Committee
- Submitted monthly reports to the Zone Vice-chair person

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Integrated Educational Services 2400, Metuchen, NJ

July 2015-Aug 2015

Intern

- Organized and updated student information and files
- Assisted with office work as a student aide before and after classes
- Conducted assessments on classroom equipment prior to the start of classes

LEADERSHIP & SERVICE

National Society of Black Engineers, Region 1 (East Coast and West Africa)

May 2018- Present

Programs Chairperson Region 1

- Function as the Programs Zone leader and direct the objectives and goals of Regional programming for the year
- Use community programs to facilitate membership retention and increase awareness of the Society in the community
- Provide zone members with the resources needed to complete their work efficiently.
- Oversee all Regional and Zone programs and assist in developing chapter programs.

Student Government Association NYIT, New York, NY

May 2018- Present

Vice President

- Presiding over the Judicial and Compliance Committee, and reoccurring senate meetings
- Amending the SGA bylaws and Constitution
- Initiating New Clubs into the Student Government Association
- Enforcing compliance from clubs and organizations on campus with school regulations and constitution

SEO (Sponsors for Educational Opportunity) Career, New York, NY

June 2017 - Present

SEO EDGE Participant – Technology

- Receive 50+ hours individualized coaching and live instruction to achieve targeted interview, technical, and professional developmental goals
- Complete industry-specific training and assessments focused on developing technical skills, institutional knowledge, and attention to detail

National Society of Black Engineers

Region 1(East Coast and West Africa)

Technical Outreach and Community Help Chairperson Region 1 (TORCH)

May 2017 – May 2018

- Plan and Execute TORCH initiatives in Region 1 (NJ, NY, CT, NH, ME, VT, MA, RI, East Canada and West Africa)
- Increase the range of TORCH activities membership can participate in throughout the region
- Use community programs to facilitate membership retention and increase awareness of the society in the community

Society of Women Engineers, New York, NY

May 2017-May 2018

Secretary

- Communicate information from the executive board to the membership on a regular basis
- Maintain a calendar of Events to facilitate the easy transfer of event information from the board to the membership
- Draft contract agreements for collaborations between clubs for large scale projects, and for conference attendance for the membership
- Re-organize the Google Contacts so that communication could be better monitored between current students and alumni.

Bridges to Community Service Trip, SAN JUAN DE LA MAGUANA, DOMINICAN REPUBLIC

Mar 2017-Mar 2017

Volunteer

- Built a home for an elderly woman with 11 children and 28 grandchildren using wooden beams, cement, & corrugated steel
- Conducted Ethnographic research in the communities of Derrumbadero and Carmonial in San Juan de la Maguana
- Taught students to pronounce English words and learned to pronounce their Spanish equivalents

Bridges to Community Service Trip, JINOTEGA, NICARAGUA

Jan 2017-Jan 2017

Volunteer

- Built a home for a young Nicaraguan couple using cement blocks, sand, gravel, rocks, tiles, and metal beams
- Conducted Ethnographic research in the community of Jinotega, Nicaragua
- Participated in a thorough immersion into Nicaraguan culture while strengthening Spanish speaking skills

Residence Hall Council, New York, NY

Sep 2016-May 2017

Senator

- Budgeted the school's finances for all student activities on and off campus
- Met weekly to determine appropriate budgets for projects proposed by the school's clubs and organizations
- Negotiated proposed budgets to ensure equal finances for all clubs and organizations on campus
- Brought issues with residence hall finances up at meetings to revise and increase hall budgets

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SKILLS & INTERESTS

Computer & Technical: Java, Python, C++, Matrix Laboratory, Multisim, Autodesk Inventor, Creative Cloud Applications, Microsoft Office, MAC Proficiency, PC Proficiency

Languages: English, Arabic, Spanish, Yoruba

Additional Interests: Entrepreneurism, Software Engineering, Investing, Cryptocurrencies