

# TOLA OGUNYALE

[tola-ogunyale.github.io](https://tola-ogunyale.github.io)

## EDUCATION

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**University of Massachusetts-Dartmouth, College of Engineering**, Dartmouth, MA Expected May 2024

*Masters in Computer Science*

- *Relevant Coursework:* Computer Programming with C, Fundamentals of Computer Systems, Obj-Oriented Programming with Java

**New York University, College of Arts & Science**, New York, NY Graduated May 2021

*Bachelor of Arts in Chemistry*

- Minor in Computer Science Web Programming & Applications
- *Relevant Coursework:* Calculus I-III, Introduction to Computer Programming, Introduction to Web Design and Computer Principles, Web Development and Programming, Drawing on the Web

## COMPUTER SKILLS

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*Programming*

- C (intermediate), Python (intermediate), HTML/CSS (intermediate), JavaScript (intermediate), Java (familiar), PHP (Familiar)

*Frameworks & Libraries*

- React (familiar), Bootstrap (familiar), jQuery (familiar), Git (familiar), three.js (familiar)

## EXPERIENCE

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*Math Instructor, University Instructors*, Atlanta, GA Jan 2023 – Present

- Worked 30 hours weekly; Mon-Fri
- Identified the needs and struggles of students through observation, assessment, and 1-on-1 instruction
- Provided individualized support to elementary and high school students in various math courses including algebra, geometry, etc
- Equipped students with tools and strategies to tackle mathematical principles and apply concepts in real-world applications
- Developed supplementary lesson plans tailored for each student to provide targeted instruction and practice
- Collaborated with teachers and administrators to report student progress, share resources, and discuss teaching strategies

*Lab Analyst, Analytical Environmental Services, Inc.*, Atlanta, GA Jul 2021 – Apr 2022

- Worked 40+ hours weekly, Mon-Fri, Semi-Volatile Organics Department
- Advised company on company website layout, design, and user interface
- Performed chemical analysis tests on various sample matrices for target analytes, involving the handling of reagents and the disposal of chemical waste according to regulations
- Analyzed and interpreted data to report and entered data into Lab Information Management System (LIMS) and maintained database

## TOLA OGUNYALE

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- Researched and developed new methodologies for the extraction of polychlorinated biphenyls (PCBs) and organochlorine pesticides
- Operated, troubleshooted, repaired, and calibrated mass spectrometers, gas chromatographs, and high-performance liquid chromatographs to ensure that instruments functioned properly

*Science Teacher Assistant, America Reads*, New York, NY

Oct 2017 – May 2021

- Worked 15-20 hours weekly; Mon-Fri; In-person and online (Zoom)
- Guided and supervised classes of 20-30 students in grades 2-8 during class instruction
- Collaborated with administrators and teachers to develop class structure, lesson material, and disseminate scientific information
- Mentored individuals and groups of students working on classwork and homework to facilitate learning and improve their cognitive skills and reading comprehension
- Conducted group interviews and training for new tutors to assess oral communication skills and work ethic
- Documented student work and recorded grades while providing tailored and constructive feedback

*Information Technology Assistant, Stern School of Business*, New York, NY

Feb 2020 – May 2020

- Worked 15-20 hours weekly; Mon-Wed & Fri
- Diagnosed and resolved network, software, and hardware issues for students and faculty
- Maintained and updated client support inquiry database
- Answered IT help desk calls for technical support and escalated issues to supervisor

## LEADERSHIP ACTIVITIES

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*Director of Events, NYU Gramercy Hall Executive Board*, New York, NY

Sept 2019 – May 2020

- Developed and implemented social and educational programs to foster community among 800+ students in the residence hall
- Created presentation materials and gave weekly oral presentations on program proposals and board initiatives
- Analyzed funding proposals presented to the hall council and approved funding for programs
- Disseminated info on hall council events and initiatives via print materials and social media
- Collaborated with 10 executive board members to assess community needs and develop programming to address those needs

*Lead Floor Representative, NYU Carlyle Court Hall Council*, New York, NY

Sept 2018 – May 2019

- Served as representative of dorm floor community to advocate for residents' interests in hall council
- Collaborated with 25 representatives to organize weekly meetings and plan events
- Communicated information regarding initiatives and developmental opportunities to the hall council during General Assembly Meetings