

**ADESEMI ELUMARO**  
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## EDUCATION

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### Duke University, Durham, NC

*May 2022*

*Major:* B.S. in Computer Science; *Minor:* Economics and Theater Studies; CGPA: 3.5

*Relevant Coursework:* Introduction to Computer Science, Data Structures and Algorithms, Intermediate Microeconomics I, Economic Principles, Laboratory Calculus I & II, Practical Financial Markets, Intro to Mobile App Development

### Louisville Girls High School, Ijebu-Itele, Ogun, Nigeria

*September 2012-June 2018*

Valedictorian, Overall Best in Sciences award

SAT Score: 1560 (EBRW:770, Math:790)

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## PROJECTS AND TECHNICAL EXPERIENCE

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- **Autocomplete** | Java | Used binary search and tries to create an autocomplete function based on weighted prefixes
- **DNA** | Java | Built LinkedLists with optimized methods to reverse, index, cast and append nodes in a simulation of DNA splicing
- **Markov** | Java | Created a Markov process utilizing HashMaps to optimize the generation of random text from a training text
- **Huffman** | Java | Built a program to compress and decompress files using Huffman coding algorithms

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## WORK EXPERIENCE

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### Facebook, Menlo Park, CA

*June-August 2020*

*Incoming Facebook University Intern*

- Expected to participate in a mobile development training course and work on a team with help from mentors to build a functioning mobile application.

### Community Empowerment Fund, Durham, NC

*May-August 2019*

*Financial Empowerment Specialist Intern*

- Researched financial coaching best practices and explored potential tweaks to financial coaching service delivery at CEF
- Created website functionality using HTML and CSS for a mini course on how to start a successful business with low credit

### Duke University, Durham, NC

*July 2019-Present*

*Rubenstein Library Stack Circulation Assistant*

- Spend 7-10 hours a week arranging archival materials and housing them in labeled folders and boxes and creating descriptive inventories using spreadsheets and XML encoding software

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## EXTRAURRICULARS AND ACTIVITIES

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### Community Empowerment Fund, Durham, NC

*January 2019-Present*

*Advocate*

- Have weekly two-hour meetings with low-income/homeless individuals to help them with their residential and financial goals through relationship-based financial coaching

### Duke Technology Scholars - Duke University, Durham, NC

*October 2019 - Present*

*Member*

- Selected to participate in a leadership development program for high-potential women pursuing technical careers. Engaged in skill development, networking, and mentoring activities

### The Bridge - Duke University, Durham, NC

*July 2019 - Present*

*Head of Finance*

- Collaborate with the President and Vice to develop a reasonable budget for the 2019-2020 school year and manage group expenditures and revenues to sustain positive funding for our organization which is an online publication that advocates for and represents the experiences of women of color

### Duke NakisaiAde African Dance Ensemble

*August 2019- Present*

*Dancer*

- Perform various West African dance routines for different showcases held during the school year

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## SKILLS AND INTERESTS

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**Languages:** Yoruba (Native), English (Fluent), French (Conversational)

**Technical Skills:** Python, Java, Stata, Bloomberg Core Concepts Certification

**Interests:** Pop Culture, Greek/Egyptian Mythology, Social Entrepreneurship in Nigeria, YouTube