

# Oluwadamilare Alamutu

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Energetic team player. Participant in automotive, technology and finance communities

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## EDUCATION AND HONORS

**Binghamton University, The Thomas J. Watson School of Engineering and Applied Science**

*Bachelor of Science in Computer Science*

**Bard College**

*Associate of Arts in Liberal Arts*

**98<sup>th</sup> Percentile SAT Score**

**Binghamton, NY**

*Expected Spring 2023*

**Annandale-on-Hudson, NY**

*Spring 2019*

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## TECHNICAL SKILLS

**Programming Languages:** Java, Python, SQL, C, Visual Basic, MIPS

**Computer Skills:** AutoCAD, Microsoft Office Suite, Google Suite, Linux, Windows, macOS, iOS

**Additional:** 10-hour OSHA Compliance Certification, Fluent in Yoruba, Proficient in HTML

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## PROFESSIONAL EXPERIENCE

**The Falcon Group**

*Intern*

**New York City, NY**

*Summer 2019*

- Used SQL and Visual Basic to create a database of violations and automate reports to increase productivity

**Thornton Tomasetti**

*Intern*

**New York City, NY**

*Summer 2018*

- Edited drawings based on client suggestions using AutoCAD and reformatted old file directories

**School Construction Authority**

*Intern*

**Queens, NY**

*Summer 2016/17*

- Amended outdated drawings using AutoCAD and updated records after site inspections using Excel and Word

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## PROJECT EXPERIENCE

**Game of Life (Java)**

- Simulated J.H. Conway's Game of Life using Array Lists, 2D Arrays and Princeton's standard library

**N-body Simulation (Java)**

- Calculated the gravitational forces between planets and used Princeton's StdDraw library to animate planets in orbit

**Digitar (Java)**

- Implemented Karplus-Strong algorithm using doubly linked lists and nodes to simulate the sound of a keyboard

**Dijkstra's Algorithm (Java)**

- Implemented Dijkstra's shortest path algorithm using weighted graphs, hash maps and linked lists to find shortest distance between cities in New York based on interconnecting roads

**Report Creator (Visual Basic)**

- Reduced the time required to create building violation reports by 40% using Visual Basic
- Automated the creation of reports using building code violation data from CSV files to create word documents and letters

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## LEADERSHIP EXPERIENCE

**Ernst and Young TechX Case Competition**

*Placed 1<sup>st</sup> of 255 participants*

**Binghamton, NY**

*Fall 2019*

- Conducted research on the secondary sneaker market and successfully pitched business strategies to EY professionals on how Nike, Inc. could increase revenue and market share

**Varsity Track and Field – Queens High School Complex**

*Assistant Coach, Captain*

**Long Island City, NY**

*Fall 2015 – Spring 2019*

- Increased team performance and developed team unity by leading daily team practices
- Identified and promoted overachieving team members who benefitted the teams' social environment to higher leadership roles alongside Coach Narvaez resulting in advancing to the city championships of the PSAL citywide tournament (2017-18, 2018-19)

**Business and Finance Club**

*Founder, President*

**Long Island City, NY**

*Fall 2017 – Spring 2019*

- Organized bi-weekly discussion sessions which focused on interpreting past and current business news and financial concepts
- Taught interested underclassmen various discussion techniques such as group answers and debates and positive reinforcement to understand different perspectives in preparation to facilitate successful discussions in absence of senior members

**Red Cross Club**

*Vice-President*

**Long Island City, NY**

*Fall 2017 – Spring 2019*

- Increased class participation in blood drives by 30% by raising awareness through social media campaigns

**Stock Investing (Self-Managed Portfolio)**

*Summer 2015 - Present*

- Self-managed portfolio comprised of US stocks that has outperformed the S&P500