

# HAZEM ABO-DONIA

SOFTWARE ENGINEERING STUDENT

Brooklyn, New York  
habodoni@stevens.edu

## Education

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### Stevens Institute of Technology

B.E. IN SOFTWARE ENGINEERING

Hoboken, New Jersey  
September 2022 - Current

- 3.73 GPA
- Stevens Institute of Technology Grant Recipient
- Edwin A. Stevens Scholarship Recipient

### Brooklyn Technical High School

Brooklyn, New York

- 4.0 GPA (98.09% Cumulative)
- AP Scholar Award
- Sean Cummings Memorial Award – Brooklyn Technical High School Football

June 2022

## Summary

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I am currently a freshman at Stevens Institute of Technology. I have experience with both Python and Java, including their implementations in data visualization. I am AutoCAD Certified, ACI (American Concrete Institute) Certified, and CST (Certified Surveying Technician) Certified. Throughout high school I was a part of the Varsity Football Team as well as the Varsity Track and Field team. I am interested in gaining experience in the field of software engineering and development in the New York Metropolitan Area.

## Employment

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### University Settlement Society of New York

Brooklyn, New York

Group Leader

July 2022 – August 2022

- Provided children with the opportunity to sharpen their reading, writing, and mathematics skills over the summer through personalized and enriching lesson plans and activities.

## Experience

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### University of Pennsylvania

Student Programmer

June 2021 – August 2021

- Decreased risk in a stock portfolio through coding a program which clusters various stocks based off market reactions and price movement.
- Utilizes K-Means Clustering (KMC) algorithm, Principal Component Analysis (PCA), and Normalization.

### ACE GNY Mentorship Program

Mechanical Engineering Team

October 2020 – June 2021

- Maximized energy efficiency and reduced installation costs of HVAC systems in a commercial building design.
- In charge of HVAC system and installation process selection.

### Steme LLC

Student Tutor in Mathematics

June 2020 – May 2022

- Provided volunteer tutoring to middle school and high school students in geometry, algebra, and pre-calculus.

## Programs, and Skills

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Python, React, C++, Java, TypeScript, JavaScript, Git, Visual Studio Code, Microsoft Excel/Google Sheets, Microsoft Word/Google Docs, Microsoft PowerPoint/Google Slides, Autodesk Inventor, Autodesk AutoCAD, Team Management, Project Scheduling, Problem Solving Ability, Communication, Project Estimation

## Certifications

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American Concrete Institute (ACI) Certified Concrete Tester (June 2022), Certified Surveying Technician (CST) Certified Surveyor Level 1 (June 2022), Autodesk AutoCAD Certified (January 2022)

## Languages

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English (Native), Arabic (Advanced), French (Intermediate)