

# JAMMEL YEBOAH

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## Education

### University of Virginia

Graduation Date: Dec 2025

BS in Computer Science, BS in Statistics

## Professional Experience

### AbbVie

Worcester, MA

Project Engineer Intern

Mar 2021 – May 2021

- Worked with a team of 3 engineers to draft updated safety procedures and protocol, as per OSHA Y14.5, reducing workplace injury by 200% in Q3 and Q4 of 2021
- Examined and compared AbbVie's laboratory process of chemical storage and rust prevention with external resources, isolated potential flaws, and suggested improvements to senior employees

### Worcester Public Schools

Worcester, MA

Web Developer and Educational Technology Intern

June 2020 – Sept 2020

- Developed the Worcester Public Schools remote learning website with a team of 5 using HTML/CSS for teachers and students to access daily assignments, announcements, tutorials, and other helpful education materials
- Created and implemented a plan with district authorities to improve digital learning and technology availability for students, resulting in the distribution of ~6000 laptops to students to aid remote learning
- Created and published educational technology tutorial videos on the Worcester Public Schools YouTube channel

### Young Cooperate Organization

Accra, Ghana

Co – founder, Instructor

Oct 2017 – Present

The Young Cooperate Organization is a nonprofit that provides free education to West African students aged 10 - 18

- Led organization to become a leading provider of technical education across 14 schools in Tema, Ghana
- Taught over 200 members of the organization in the areas of computer science, computer hardware, and mathematics

## Projects

### Visualization of A-Star Algorithm | Python

- Built a user interface that creates a visualization of the A\* pathfinding algorithm upon user input
- Developed customization features that allows the user to color code each element of the visualization in real time

### Image Processing Software | C

- Built a command line program that outputs a filtered version of an image based on the user's specified filter
- Implemented the Sobel-Feldman operator to create an edge detection algorithm which performs a 2-D spatial gradient measurement on an image and so emphasizes regions of high spatial frequency that corresponds to edges
- Developed additional image processing effects and filters such as sepia, blur, reflection, and grayscale

### Portfolio Website | HTML, CSS, JavaScript

- Developed and published a website to showcase my portfolio and provide a brief outline of my background, interests, and aspirations. URL: [jammelyeboah.netlify.app](http://jammelyeboah.netlify.app)

## Skills

**Programing Languages:** Python, C, C++, JavaScript, HTML, CSS, SQL

**Tools and Technologies:** PowerShell, Bash, Git

## Additional Information

**Certifications:** CompTIA A+, Google Level 1 Educator, MS Excel Expert, MS Word Expert, MS Access Expert, OSHA 10

**Interests:** Soccer, Gardening, Greek and Roman Mythology