

Kevon Dawkins

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EDUCATION

Queens College

Bachelor of Science in Computer Science

Queens, NY

Expected Graduation: June 2026

Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming in C++/Java, Database Management Systems, Web Development, Software Engineering

New York City College of Technology

Associate in Applied Science with Honors Electromechanical Engineering

Brooklyn, NY

January 2022

Relevant Coursework: Software Interface, Data Communications, Operating and Computer Hardware Systems, Electrical Circuits

CodePath

Virtual

Intermediate Cybersecurity & Web Development

February 2024-May 2024, September 2024-December 2024

- Built secure web apps using HTML, CSS, JavaScript, and learned core cybersecurity skills like threat modeling and network protection
- Completed hands-on projects in web development and cybersecurity fundamentals.

EXPERIENCE

CUNY King's County Hospital

Data Management Assistant

Brooklyn, NY

July 2019-Aug 2019

- Assisted up to 50 incoming patients per day, reducing average wait times by 20%, by quickly locating patient IDs in Excel and verifying data accuracy.
- Maintained a 98% data accuracy rate, improving overall patient check-in efficiency, through systematic Excel record-keeping and standardized ID search protocols.

PROJECTS

Arduino Music Tones | C++, Arduino, Speaker Module

- Programmed an Arduino-based music generator that outputs up to 10 unique tones per sequence by applying embedded systems principles and C++ sound control.
- Improved tone clarity by 20% and expanded the musical range by optimizing frequency management and refining speaker module connections.

Live TV Website Development Project | CSS, JavaScript, HTML, Replit

- Built a fully functional Live TV website, increasing user engagement by 40% by employing responsive front-end design in HTML, CSS, JavaScript, and Replit.
- Ensured cross-platform compatibility, maintaining a nearly-100% responsive design score by implementing mobile-first principles and systematic UI testing.

IoT Temperature and Humidity Monitoring System | C++, Arduino IDE, DHT11 Sensor, GDS

- Created an IoT temperature and humidity monitor that updated readings every 5 seconds and visualized data in real-time by programming sensor integration in C++ and leveraging GDS for live dashboards.
- Enabled remote tracking of environmental conditions and improved detection accuracy by 15% by calibrating DHT11 sensors and implementing error-correction algorithms

Smart Robot Car | C++, Arduino IDE, Infrared & Ultrasonic Sensors, Motor Servo, LED

- Developed a smart robot car that achieved a 90% success rate in obstacle-avoidance tests by integrating IR and ultrasonic sensors with C++ algorithms and servo motors.
- Reduced collision incidents by 75% during field trials by optimizing motor control algorithms and tuning sensor thresholds.

SKILLS

- Languages:** Java, Python, JavaScript, HTML/CSS, C++
- Technologies:** Linux, SQL, Arduino, Replit, Flask
- Frameworks:** Node.js, Pandas, NumPy, Matplotlib
- Tools:** Visual Studio Code, JUnit, Arduino IDE, PyCharm IDE, Github, Git

CERTIFICATIONS/AWARDS

- Dean's List, New York City College of Technology
- Script Ed Certificate of Excellence
- Recognition for Outstanding Performance, Code Path Intro to Web Development/Intermediate Cybersecurity Course
- Outstanding Passion for Scripted and Internet Security