Kevin Conaty

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EDUCATION

Farmingdale State University <div align="right">**Expected Graduation December 2025**</div>

Bachelor of Science in Computer Science <div align="right">*Farmingdale, NY*</div>

GPA: 3.8/4.0

Relevant Courses: AI/ML, Data Structures and Algorithms I &II, Software Engineering, Data Management.

Cyber Security Club.

Honors: Dean's List 2023-2025.

WORK EXPERIENCE

Brookhaven National Lab, Science Undergraduate Laboratory Internship <div align="right">**June 2025 – Present**</div>

Safeguards Inspection Planning Intern <div align="right">*Upton, NY*</div>

Explored feasibility of using ComfyUI for developing IAEA Safeguards Inspection Planning Tools.

Developed modular node-based workflows for inspection planning using Python.

Integrated and tested workflows to meet detection criteria and optimize objectives under constraints.

Gained hands-on experience in workflow programming, model integration, and structured tool design.

Student-Teaching Assistant: Data Structures and Algorithms <div align="right">**September 2024- Present**</div>

Farmingdale State College <div align="right">*Farmingdale, NY*</div>

Assisted in teaching foundational computing concepts.

Guided students in understanding key programming languages.

Provided one-on-one support during office hours.

New York City Fire Department <div align="right">**October 2020- July2022**</div>

Emergency Medical Technician <div align="right">*Harlem, NY*</div>

Provided emergency pre-hospital medical care.

Maintained detailed medical records for hundreds of patients.

Awarded Excellent Duty with Merits Medal for pulling a man from under his overturned car.

PROJECTS

TikTok Share Prediction Through Machine Learning *Python*

- Worked collaboratively with another student to predict the number of shares a TikTok video would receive using scraped metadata.
- Utilized Python libraries such as sklearn, Pandas, and Matplotlib to visualize results.
- Using logistic regression, k-fold cross validation, and standardization; predicted the number of shares a given video would receive with 87.92% accuracy.

Personal Donation Website *HTML, CSS*

- Created a website using HTML and CSS to raise money for charity, contains a link to my Venmo page and was hosted on my GitHub to allow family and friends to donate.
- Raised over $7,000 dollars for children's cancer research.

CERTIFICATIONS, SKILLS

Skills: Java, Python, Machine Learning, Git, GitHub, Kali Linux, Microsoft Excel, Word, PowerPoint, Computer hardware assembly, Assembly Language, Motivator, Fast Learner.

Certifications: EMT-B, Emergency Vehicle Operator Certification, AHA CPR Certification.