

Elizabeth Elie, MPH

Emergency Room Technician · Ed.D. Candidate in Educational Technology Leadership

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Profile

A dedicated health worker with a deep passion for learning and travel, driven by a commitment to making a meaningful difference in people's lives.

I earned both my bachelor's and master's degrees in public health with honors from New Jersey City University. I have always viewed education as the foundation for positive change, and that academic journey reinforced my commitment to continuous growth and lifelong learning. As a health worker, I apply this interdisciplinary knowledge to improving patient care, promoting health equity, and contributing to the well-being of my community – work informed by a strong focus on prevention, education, and culturally responsive practice.

I am currently pursuing my doctorate in Educational Technology Leadership at New Jersey City University, where I am expanding my expertise in innovative learning systems, leadership, and technology-driven solutions. This advanced study complements my public health background and strengthens my ability to integrate education, technology, and health to improve outcomes for diverse communities.

My career goal is to combine healthcare with innovative technology to transform patient care. I aim to take on leadership roles where I can drive the integration of telemedicine, AI-assisted diagnostics, and digital health tools into healthcare systems, so that technology serves as a bridge, not a barrier, for professionals and patients alike.

Professional experience

SEP 2013 – PRESENT

Emergency Room Technician

Montefiore Children's Hospital · Bronx, NY

- Deliver emergency care to more than 75 pediatric patients each week in a high-volume department, assessing vital signs, blood pressure, and oxygen saturation.
- Perform electrocardiograms to support prompt diagnosis and management of acute cardiac events.
- Collect and process urine specimens for dipstick and microscopic urinalysis, culture, UTI and STI testing, and pregnancy testing.
- Administer oxygen and nebulizer therapy and maintain infection-prevention protocols during patient transport.
- Provide pre-hospital care for stroke, neurological, and immunological emergencies, gathering history from patients and families to guide treatment.
- Assist physicians with suturing, lumbar punctures, airway procedures, spinal immobilization, specimen collection, and postmortem care.
- Provide one-to-one observation during psychiatric emergencies, safeguarding patients in line with hospital policy.
- Apply splints and ACE wraps, fit crutches, and instruct patients and caregivers on safe use.
- Communicate across nursing, physician, and multidisciplinary teams with a consistent record of strong service.

JULY – OCT 2022

Medical Records Analyst

Montefiore Children's Hospital · Health Information Management

- Reviewed medical records in response to requests from attorneys, insurers, providers, government agencies, and patients.
- Analyzed records for completeness and abstracted data for clinical and statistical databases.
- Processed outpatient encounters for billing and assigned ICD and CPT codes for diagnoses and procedures.
- Handled disability claims, release-of-information requests, and patient service while protecting confidentiality.

2008 – 2013

Emergency Room Technician

Jersey City Medical Center · Jersey City, NJ

- Performed ECGs, phlebotomy, IV and Foley removal, suctioning, splinting, and acute wound care.
- Placed monitoring devices, reported vital signs to assigned nurses, and charted in the MedHost system.
- Built inventory and ordering standards that kept emergency supplies at level throughout the department.
- Trained every incoming Emergency Room Technician on department policy, room readiness, and linen rotation.

2004 – 2008

Childcare Provider

Private practice · Northern New Jersey

- Supervised groups of up to 20 children aged two to five, safeguarding their physical safety and emotional well-being.
- Designed educational activities that strengthened cognitive and social development.
- Directed adapted activities for children with developmental and physical disabilities.
- Used music recall, song memorization, rhyme, and language repetition as core learning techniques.

2008

Medical Assistant

Riverside Pediatrics

- Prepared and administered medications by intramuscular, intradermal, and subcutaneous injection, including Varicella, MMR, and pneumococcal immunizations under provider direction.
- Collected specimens and operated test tubes, microscopes, centrifuges, autoclaves, and related laboratory equipment.
- Led the transition of the practice's paper records into digital format.

Academics

JUL 2025 – MAY 2028
expected

Ed.D., Educational Technology Leadership

New Jersey City University · Cohort 13

SEP 2019 – MAY 2021

Master of Public Health (MPH), Public Health Education

New Jersey City University · graduated with honors

SEP 2017 – MAY 2019

B.S., Public Health Education

New Jersey City University · graduated with honors

SEP 2016 – JUN 2017

A.A.S., Clinical Medical Assisting

Mildred Elley College

SEP 2009 – JUN 2012

A.A., Special Education

Hudson County Community College

SEP 2007 – JUN 2008

Medical Assistant Certificate

Micro Tech Training Center

Scholarship & instructional design

PRESENTATIONS

- **Hemorrhage: An AI Analysis** — professional webinar on how artificial intelligence supports recognition and management of hemorrhage.
- Doctoral cohort showcase presentations, NJCU Summer Institutes I and II.

LEARNING GAME DESIGN

- **Gene Genius** — genetics and DNA structure.
- **Flow Frenzy** — urinary system physiology.
- **Cardio Quest** — cardiovascular health.
- **NeuroLink** — nervous system signalling.
- **Micro-Mission** — immune response.

Competencies

CLINICAL

Emergency department operations · Pediatric emergency care · Patient assessment · Electrocardiography · Phlebotomy · Specimen collection · Splinting & wound care · Oxygen & nebulizer therapy · Airway assistance · Psychiatric observation · Infection prevention & control

HEALTH & LEADERSHIP

Health literacy & communication · Health administration · Incident management · Team leadership & training · Medical records management · ICD & CPT coding · Health equity & prevention · Instructional design · Educational technology

Systems: Epic · MedHost · ROI release-of-information platform · Microsoft 365 · Google Workspace

Credentials & affiliations

- **CPR certified** — cardiopulmonary resuscitation
- **Notary Public** — State of New Jersey

- National Society of Leadership & Success (honor society)
- New Jersey Society for Public Health Education (NJSOPHE)
- Health Sciences Student Organization (HSSO)

References

Chris Waga, RN

VA Hospital · East Orange, New Jersey
(848) 391-7659

Ria Angelei, RN

Jersey City Medical Center
(201) 687-8341

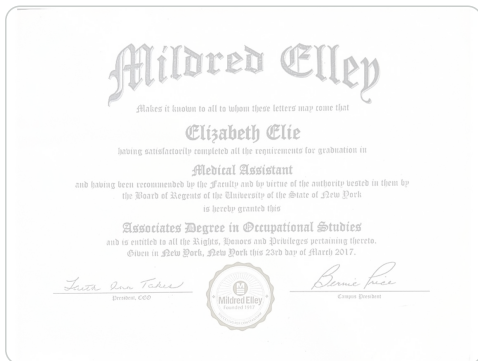
Certificates



Master of Science, Health Sciences
New Jersey City University · 14 May 2021



Bachelor of Science, Health Sciences
New Jersey City University · 16 May 2019



Associate in Occupational Studies, Medical Assistant
Mildred Elley · 23 March 2017



Member, National Society of Leadership & Success
Sigma Alpha Pi, NJCU Chapter · 14 May 2018



Associate in Arts, Liberal Arts — Special Education
Hudson County Community College · 30 June 2012



Certificate of Training, Medical Assistant
1,000 hours · Micro Tech Training Center · 10 June 2008