

# Michael Bubb

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## Education

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### RWJ Barnabas/Hudson County Community College

Jersey City, NJ

- AAS in Paramedic Science (Jan 2025)

### Rutgers University

New Brunswick, NJ

- Bachelor of Arts in English Literature 1992

## Work Experience

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### RWJ Barnabas Health/ Jersey City Medical Center ED

November 2024 – present

*Patient Care Technician*

*Jersey City, NJ 07302*

- patient care in the Emergency Department, vital sign monitoring and assisting with ADLs
- clinical tasks such as: glucose checks, Covid/Flu swabs, phlebotomy, ECGs
- respond to Trauma activations, Massive Transfusion Protocols, etc.

### RWJ Barnabas/ Hudson Community College

August 2023 – present

*Paramedic Student*

*Jersey City, NJ 07302*

- approx 500 hours in hospital clinical experience (ER, L&D, ICU, OR)
- AAS degree in Paramedic Science - January 2025

### Hoboken Volunteer Ambulance Corps

April 2017 – February 2025

*911 response BLS EMS*

*Hoboken, NJ 07030*

- 2nd Lt Vehicles - 2024-2025
- 2nd Lt Special Ops - 2022-2024
- EMS and Driving FTO

### DevOps/Software Engineering

November 2006 - December 2023

*Infrastructure Engineer - see LinkedIn for details*

*New York, NY*

- Built and Monitored AWS based infrastructure
- Managed Kubernetes Cluster
- SRE for hundreds of servers for global backbone (US-East, US-West, Europe, Asia).
- Developed DevOps best practices for engineering and data science.
- DNS, System and Network Monitoring (Prometheus, NS1, NewRelic)

## Certifications

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**NREMT** - 2025 March expir.

**NJ EMT** - 2024 December expir.

**BLS CPR** - 2025 December expir.

**NJ Drivers License** - 2025 August expir.

**CEVO 4** - 2024 January

**EVOC trainer** - 2024 October

**ACLS 2024** - 2026 April expir.

**PALS 2024** - 2026 May expir.

**PHTLS 2024** - 2028 May expir.

**Mental Health Resource Officer** - 2026 December expir.

**Neonatal Resuscitation** - 2026 April expir.

**Difficult Airways** - 2024 May

**TECC** - 2027 May expir.

**FEMA WMD** - 2024 January

**ICS 100** - 2022 February

**ICS 200** - 2022 February

**ICS 700** - 2022 February

**ICS 800** - 2022 February

Through the Paramedic program I am certified in ACLS, PHTLS and PALS (pediatric life support). I have performed over 60 venipunctures, numerous ECGs, BGLs and have administered medications IV, IM and PO. I have intubated patients in the OR. In the ER and ICU I have participated in CPR, Trauma activations, Stroke activations as well as numerous other procedures.

## Statement

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*I have worked in software engineering (DevOps, cloud infrastructure) for over a decade. I became involved with a local urban EMS agency and became an EMT in 2018. Driven by my passion for patient care and wanting to learn more, I began a Paramedic program that I expect to complete by January 2025. In parallel, I am working on accumulating the prerequisites for nursing programs to further expand my medical knowledge and skills.*

*The Paramedic program at RWJ Barnabas has been excellent. For me the 500 hours of in-hospital clinical experience, in departments including the ER, ICU/CCU, Psychiatric Floor, Cath Lab, OR and Labor and Delivery have been fantastic. During this time, I've developed skills in administering IVs, drawing blood, conducting ECGs, and dispensing medications. I have learned from working closely with nurses, patient care techs, respiratory therapists, CT and XRAY techs (and sometimes doctors).*

*In addition to learning about patient care, I have had invaluable lessons about teamwork, patient communication, and medical procedures - including in hospital CPRs, trauma activations, stroke activations and births. I have witnessed firsthand the impact of a collaborative, compassionate approach to healthcare, and it has further inspired me to join the field in a more comprehensive capacity. I have also noted how the **Patient Care Technician** position develops expertise in venipuncture, ECGs and many other aspects of patient care.*

*It is not just the technical skills I want to improve. In school we are often reminded to "treat the patient, not the monitor" and in clinicals, I have been deeply struck with how nurses and PCTs, especially in a busy ER or ICU, have to pivot from a critical, kinetic procedure to washing a patient or adjusting their position for comfort. The pair of yellow socks and extra blanket given is as important to the patient as the labs you just drew. Sometimes it is talking to family members of a critically ill or deceased patient. Sometimes showing compassion for a very difficult or altered patient who is upset, in pain and panicked. Watching and helping nurses and PCTs as they make decisions and provide care in the midst of this constant activity has given me a very deep respect for the profession. I am eager to bring my skills, dedication, and evolving knowledge to a **Patient Care Technician** position, where I can contribute to high-quality patient care while continuing to grow as a healthcare professional.*