

Brandon T. Schmidt

Framingham, MA

617-721-5567 | btschmidt@icloud.com

PROFESSIONAL EXPERIENCE

Babson College — Wellesley, MA

Adjunct Professor | September 2019 – Present

Teach an undergraduate elective course in Electronics for non-STEM majors. Design and deliver hands-on laboratory experiences focused on electric circuits, semiconductors, Arduino programming, energy systems, and real-world technological applications. Emphasize applied problem-solving, conceptual understanding, and interdisciplinary connections.

City of Newton Public Schools — Newton, MA

Teacher | August 2004 – Present

Teach AP Physics, Physics, Introductory Physics, and Marine Biology. Co-designed project-based curricula integrating physics, engineering, and inquiry-driven laboratory work. Co-developed a multi-year interdisciplinary STEM curriculum (DaVinci Program). Organized and led international academic travel experiences.

Medic Training of New England — Natick, MA

President & Co-Founder | January 2004 – August 2004

Co-founded and led a safety and emergency-response training organization. Oversaw curriculum development, instructor hiring, and training operations. Served as lead instructor and managed client relationships.

New England Aquarium — Boston, MA

Senior Aquarist | 2002 – 2003

Designed and constructed life-support systems for special exhibits. Led husbandry efforts for multiple marine species and trained junior staff.

Aquarist | 1996 – 2000

Managed major exhibit galleries, developed animal care protocols, supervised volunteers and interns, and participated in marine research surveys.

EDUCATION

Ed.M. Science (Physics) Education — Boston University, 2011

B.S. Zoology — University of Massachusetts Amherst, 1993

CERTIFICATIONS & SKILLS

- Massachusetts Teacher Certification (Physics & Biology)
- Curriculum design and inquiry-based pedagogy
- Undergraduate laboratory development
- PADI Master Scuba Diver Trainer & Instructor
- U.S. Coast Guard 100-Ton Master Captain's License
- Private Pilot's License
- Technical skills: electronics, instrumentation, mechanical systems