

DANA LEAVY-DETRICK

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CAREER PROFILE

Multidisciplinary background in the sciences with a focus on mechanical engineering. Combines experience around research with strong technical capabilities, having completed a Masters of Science requiring extensive programming and database management skills to model and gather data on complex biochemical systems. A methodical learner and resourceful self-starter who demonstrates strong time management and prioritization skills by consistently balancing deadlines. Seeking entry-level opportunities within mechanical engineering, with a strong interest around energy and transportation.

SKILLS

Extensive knowledge of C# and the .NET framework using Visual Studio; Working knowledge of Java, VB, .Net, Python, JavaScript; Familiarity with HTML, REST, SOAP, CSS, XML, XPATH, SQL, REGEX

EDUCATION

MS, Mechanical Engineering, New York University 2012
BS, Biopharmaceutical Sciences (Medicinal Chemistry), University of Ottawa 2010

PROFESSIONAL EXPERIENCE

Associate Manager 2003 – 2010
Company XYZ

- Reorganized and improved organizational systems including the implementation of client relationship management processes.
- Oversaw accounting systems and marketing strategy.
- Supervised two buyouts and a merger, and helped achieve over 20% annual growth.

Customer Service Representative, New York University Bookstore 2008 – 2010

- Responsible for used book buyback, determining the suitability of books for repurchase and completing the purchase transaction on behalf of the bookstore.
- Assisted students with selection & purchasing of course textbooks, and was involved in general customer service, product placement, and web order processing.
- Handled additional customer communications and outreach as necessary.

Lab Assistant, New York University, Engineering Department 2007 – 2008

- Assisted post-doctoral researchers with preparation of functionalized nanoparticles for SERS multiplex experiments of cell surface receptors.
- Assisted PhD students in the synthesis of cyclic nitrones for use in biological 'Click' reactions.

Lab Assistant, New York University, Biology Department

2006 – 2007

- Assisted post-doctoral researchers in the lab with the preparation and purification of lead compounds based on an aminoindoline scaffold that have the greatest chance of modulating the Caspase-9 XIAP BIR 3 Complex in cell apoptosis.
- Responsible for reporting and analysis on all projects, and keeping detailed and accurate documentation.

MEMBERSHIPS & AFFILIATIONS

Professional Engineers of New York

New York Society of Engineering Students

American Society of Mechanical Engineers (ASME)

American Society of Heating, Refrigeration and Air-Conditioning Engineers (ASHRAE)

AWARDS

NSERC CREATE Medicinal Chemistry and Biopharmaceutical Development, 2012

Biopharmaceutical Science Scholarship Fund Award, 2010

Biopharmaceutical Science Scholarship Fund Award, 2008

Bayer Health Care Biopharmaceutical Scholarship, 2007