

Arianne Bazilio

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EDUCATION:

Ph.D. Student, Environmental Engineering,

Environmental and Water Resources Engineering, Department of Civil and Environmental Engineering,
University of Massachusetts-Amherst
Expected date of completion: May 2016.

M.S, Environmental Engineering,

Environmental and Water Resources Engineering, Department of Civil and Environmental Engineering,
University of Massachusetts-Amherst, February 2013.

B.S, Chemical & Biological Engineering,

Minor in Mathematics,
Polytechnic Institute of New York University, January 2009.

EXPERIENCE:

September 2010 – Present

Department of Civil and Environmental Engineering, University of Massachusetts Amherst, Amherst, MA.

Research Assistant: Study the fate and formation of disinfection by-products in drinking water;
iron and manganese sequestration and removal.

May 2009 – August 2010

Research & Regulatory Planning Section, Bureau of Wastewater Treatment, New York City Department of Environmental Protection, Corona, New York.

Environ. Eng. Intern: Assisted in the development and implementation of new pollution
prevention strategies, conducted research projects for pollutant track-downs (MS Access, Arc
GIS), and assisted in preparing reports and documents for the Industrial Pretreatment Program.

July 2008 – December 2008

Laboratory for Biocatalysis and Bioprocessing of Macromolecules Polytechnic Institute of NYU, Brooklyn, New York.

Research Assistant: Assisted in performing polymer reactions (enzyme catalysis, hyperbranched
polymers, surface science). Used NMR Spectroscopy, GPC, GC and other analytical
technologies.

June 2005 – December 2008

General Engineering Department, Polytechnic Institute of NYU, Brooklyn, New York.

Teaching Assistant & Head of Archiving: Conducted lab for EG1004, Introduction to Engineering
& Design; reviewed and revised lab manuals for year-end assessment of overall clarity and
effectiveness; prepared weekly quizzes.

June 2006 – August 2006

Environmental Protection, Office of System Safety MTA New York City Transit, New York, New York.

Intern: Assisted with management of system-wide hazardous waste contract, including report
preparation, maintenance of MS Access database, and budgeting. Participated in facility audits
to evaluate compliance with Federal and State environmental requirements.

HONORS AND AWARDS:

Bernard B. Berger Award for Graduate Studies, UMass EWRE, 2012
Perrell Fellowship, UMass EWRE, 2010-2011
Dr. Jacobs Scholarship, NYU-Poly, Spring 2006 and Fall 2006
Polytechnic University Presidential Scholarship, Spring 2005 - Fall 2008

SKILLS:

Software: MS Word, MS Excel, MS Access, MS PowerPoint
MS Project, AutoCAD, Arc GIS, SigmaPlot
Systems: MS Windows XP Professional, Macintosh OS X