

Student Example #1

EDUCATION

St. Lawrence University, Canton, New York

B.S. in Biology; degree expected May 2013

Minor in Chemistry

Dean's List, 2009, 2010, 2011, 2012

Study Abroad

Danish Institute of Study Abroad, Copenhagen Denmark, spring semester 2012

RESEARCH INTERESTS

- Medical Microbiology and Immunology
- Drug Discovery
- Neurodegenerative diseases
- Oxidative stress
- Cancer cells
- Pharmacology

RESEARCH EXPERIENCE

Senior Year Experience Honors Thesis in Biology

St. Lawrence University, Canton, New York, fall semester 2012; Advisor: Dr. Ana Estevez

- Collaborated with St. Lawrence University alumnus on an independent research project entitled "Effects of Cerium Oxide Nanoparticles on Wild-type and Superoxide Dismutase Deletion Mutant Strains of *Caenorhabditis elegans*"
- Findings will be defended in early April 2013 for honors and will be submitted for publication

Dartmouth ASURE Fellowship sponsored by The Leadership Alliance

Dartmouth College, Hanover New Hampshire, June-August 2012

Advisors: Dr. George O'Toole and Chelsea Boyd

- Conducted an independent research project entitled "Mapping membrane topology of LapA at the cell surface in *Pseudomonas fluorescens*"
- Presented findings at The Leadership Alliance National Symposium, Hartford, Connecticut, July 28th, 2012

Ronald E. McNair Postbaccalaureate Achievement Program Research Internship

St. Lawrence University, Canton, NY, June-August 2011; Faculty Mentor: Dr. Ana Estevez

- Designed and conducted an original research project on the "Regulation of Survivorship During Oxidative Stress in *C. elegans*"
- Presented findings at the McNair Scholars National Symposium, Berkeley, California, August 03, 2011
- Research report will be submitted to the Journal of Undergraduate Research

Independent Research Project in Biology

St. Lawrence University, Canton, New York; spring semester 2010

- Designed and conducted an original research project entitled “A bioassay to determine the response of the bacteria *Escherichia coli* to the antibiotics Amoxicillin and Erythromycin”
- Findings were presented during the General Biology course, April 30, 2010

Independent Research Project in Organic Chemistry

St. Lawrence University, Canton, New York; spring semester 2011

- Designed and conducted a Grignard Synthesis in order to make 1-phenylcyclohexanol.
- Findings presented May 2, 2011

RESEARCH SKILLS

Biofilm Assay, Western Blot, Dot Blot, Developing prints, Making Agarose Gels, Running Agarose Gels, PCR, Phusion PCR, PCR Purification, DNA gel extraction, Yeast Cloning, DNA sequencing, Statistical Skills, Minitab, *C. elegans* Synchronization, Writing protocols, Plating bacteria, Making plates, Making solutions, Pipetting, Gas Chromatography, Patch clamping, Infrared Spectroscopy, and H-NMR Spectroscopy

TEACHING EXPERIENCE

Teaching Assistant, General Biology 101

St. Lawrence University, Canton, New York

Professor Brad Baldwin and Erika Barthelmess, Biology Department.

Peer Tutor in Chemistry and Biology

St. Lawrence University, Canton, New York

Substitute Teacher

Franklin Northeast Supervisory Union, Vermont

Grades K-12

UNDERGRADUATE RESEARCH PUBLICATIONS

Airoldi, B. (2011). Regulation of Survivorship During Oxidative Stress in *C. elegans*. *St. Lawrence University McNair Scholars Journal, Perspectives: A Collection of Undergraduate Research*.

PRESENTATIONS

Airoldi, B. (2012). Mapping membrane topology of LapA at the cell surface in *Pseudomonas fluorescens*. Poster presentation given at The Leadership Alliance National Symposium, Hartford Marriott Downtown, Hartford, Connecticut, July 27-29 2012.

Airoldi, B. (2011). Regulation of Survivorship during Oxidative Stress in *C. elegans*. Poster presentation given at the St. Lawrence University Honors Reception, Canton, New York, September 2011.

Airoldi, B. (2011). Regulation of Survivorship During Oxidative Stress in *C. elegans*. Oral presentation given at the University of California at Berkeley McNair Scholars Symposium, Berkeley, California, August 3-7, 2011.

Airoldi, B. (2011). Regulation of Survivorship During Oxidative Stress in *C. elegans*. University at Buffalo McNair Undergraduate Research Conference, Niagara Falls, New York, July 2011.

CONFERENCES ATTENDED

McNair Graduate School Preparation Camp, Barkley State Resort & Conference Center, Cadiz, Kentucky, May 31-June 2, 2011.

Collegiate Science and Technology Entry Program (CSTEP) Symposium
The Sagamore, Bolton Landing, New York, March 24-26, 2011.

LEADERSHIP AND COMMUNITY SERVICE

- Chair, St. Lawrence University Academic Honor Council
- Omicron Delta Kappa Honor Society Secretary and Chair of Community Service
- St. Lawrence University Student Judiciary Board Justice
- St. Lawrence University Orientation Leader
- Student Activities and Leadership Information Desk
- Kaplan Test Prep Campus Representative
- SLU-EMS and Canton Rescue Squad, Emergency Medical Technician
- Relay for Life participant
- Susan G. Komen 5K Run/Walk participant

HONORS AND AWARDS

- The Leadership Alliance, member
- Intercultural Leadership Award
- Omicron Delta Kappa National Honor Society
- McNair Scholars Program Outstanding Student Achievement Award, Spring 2012
- National Coca-Cola Scholarship
- St. Lawrence University Sesquicentennial Scholar
- National Kidney Foundation Future Achiever

LICENSURE AND CERTIFICATIONS

- EMT with Defibrillation State Certification Course, SUNY Canton, fall 2010
- CPR and First Aid Certification
- New York State TIPS Monitor
- Zumba and Spinning Instructor

Student Example #2

EDUCATION

St. Lawrence University, Canton, New York

Bachelor of Science in Chemistry; degree expected May 2014

Interest in Statistics

RESEARCH INTERESTS

- Medicinal Chemistry
- Pharmacognosy
- Synthetic Chemistry
- Organic Chemistry

RESEARCH EXPERIENCE

Senior Year Experience in Chemistry

Saint Lawrence University, Fall 2013-Spring 2014; Advisor: Dr. Larry French

- Independent research project under the guidance of Dr. Larry French entitled “Nepetalactone as a Chiral Pool Synthetic Building Block”
- Findings will be presented in March 2014 at the 247th American Chemical Society National Meeting & Exposition

Saint Lawrence University Fellowship

Saint Lawrence University, June-August 2013, Faculty Mentor: Dr. Larry French

- Awarded university fellowship to continue work on independent research project entitled “Nepetalactone as a Chiral Pool Synthetic Building Block”
- Findings will be presented at the St. Lawrence University Honors Reception Canton, New York, September 2013

Independent Research Project in Chemistry

Saint Lawrence University, Fall 2012

- Continued work on independent research project entitled “Nepetalactone as a Chiral Pool Synthetic Building Block”
- Findings were presented to St. Lawrence University Chemistry Department, Canton, New York, October 2012

Ronald E. McNair Post-Baccalaureate Achievement Program Research Internship

Saint Lawrence University, Canton, New York, June-August 2012

- Designed and conducted an original research project entitled “Nepetalactone as a Chiral Pool Synthetic Building Block”
- Presented findings at the University at Buffalo McNair Undergraduate Research Conference in July 2012 and the McNair Scholars Symposium, Berkeley, California, August 4, 2012

Independent Research Project in Biology

Saint Lawrence University, Canton, New York, fall semester 2011

- Designed and conducted an original research project entitled “Zooplankton Levels at Various Times of The Day”
- Findings were presented during the General Biology course, October 23, 2011

RESEARCH SKILLS

Minitab; trained to use Nuclear Magnetic Resonance instrument to analyze chemical structures; Trained to use Flash Single Column Chromatography; GC-Mass Spec; proficient in using the Chem Draw application; Rotary Evaporation; Microsoft Office Suite

CONFERENCES

St. Lawrence University Honors Reception. Poster presentation: “Nepetalactone as a Chiral Pool Synthetic Building Block.” Canton, New York; September 2012.

20th Annual California McNair Scholars Symposium. Plenary session speaker: “Nepetalactone as a Chiral Pool Synthetic Building Block.” The University California Berkley, Berkley, California; August 2-5, 2012

University at Buffalo 18th Annual McNair Undergraduate Research Conference and 8th Annual Graduate School Visit. Oral presentation: “Nepetalactone as a Chiral Pool Synthetic Building Block.” The Conference Center Niagara Falls; Niagara Falls, New York; July 19-21, 2012

20th Annual CSTEP Statewide Student Conference, The Sagamore, Bolton Landing, New York; April 11-13, 2012

HONORS & AWARDS

Ronald E. McNair Post-Baccalaureate Achievement Program Scholar (2012-Present)

Collegiate Science & Technology Entry Program Scholar (2012-Present)

Presidential Diversity Scholarship (2010-2014)

- \$120,000 scholarship awarded to minority students who have shown a commitment to learning and an appreciation for racial and ethnic diversity

ACTIVITIES & AFFILIATIONS

American Chemical Society (ACS) (2011-Present)

- Participate in discussions and community service

Saint Lawrence University Varsity Track and Field (2010-Present)

- Member of the 3rd place 4x100 ECAC team

Saint Lawrence University Varsity Men’s Football (2009-2011)

- Liberty League Champions in 2009-2010 season

Male Athletes Against Sexual Violence (2011)

- Discuss and address the problem of sexual violence on university campuses and globally

UNIVERSITY & COMMUNITY SERVICE

Chemistry Department Liaison to Prospective Faculty
St. Lawrence University; Canton, New York, June 2012

- Provided tour of chemistry department facilities and insight into university life to prospective candidate

Grasse River Heritage Group

St. Lawrence University; Canton, New York: June 12, 2012

- Volunteer work included cleanup of the Grasse River Park, helping improve the scenery in the Canton community

Campus Kitchens Project

St. Lawrence University; Canton, New York: Summer 2012

- Volunteer work included meal preparation and cleanup for members of the local community of Canton, New York

United Helpers Nursing Home, Maplewood Campus

St. Lawrence University; Canton, New York: Fall 2011

- Volunteer to promote positive and healthy interactions between the St. Lawrence community and the elderly of Maplewood, included socializing with the guests and serving meals to the Maplewood community

Athletics Department Liaison to Prospective Students

St. Lawrence University; Canton, New York, 2011-2012

- Host prospective students during university visits and share campus experience

LANGUAGES

Basic Creole

Name

St. Lawrence University

email @stlawu.edu

EDUCATION

Bachelor of Science, St. Lawrence University, Canton, NY

Anticipated May 2014

Majors: Mathematics (GPA: _) and Economics (GPA: _); Cumulative GPA: __

Minor: Statistics

ADDITIONAL STUDY

- Community of Graduate Scholars (COGS) Summer Research Seminar
Ronald E. McNair Post-Baccalaureate Achievement Program, Summer 2013

RESEARCH INTERESTS

- Applied Statistics
- Mathematical Finance
- Econometrics
- Time Series Analysis

RESEARCH EXPERIENCE

Senior Year Experience Independent Project in Statistics

St. Lawrence University, Fall 2013

Faculty Mentor: Ivan Ramler

- Continuing McNair Scholars Program summer research project to create a multinomial logistic regression model to develop a more effective model than the logistic regression

Ronald E. McNair Post-Baccalaureate Achievement Program Research Internship

St. Lawrence University, June-July 2013

Faculty Mentor: Dr. Ivan Ramler

- Designed and conducted an original research project entitled *Predicting Owner Tendencies in Fantasy Football Drafts*, studying trends within the Fantasy Football draft and using logistic regression analysis to develop an effective probability model

RESEARCH SKILLS

MINITAB, R, Logistic Regression Analysis, Classification and Regression Trees (CART),
Multinomial Logistic Regression

TEACHING EXPERIENCE

Teaching Assistant in Applied Statistics

St. Lawrence University, Fall 2013

Supervising Faculty: Dr. Jessica Chapman

- Provide instructional support to students
- Grade student homework assignments and quizzes
- Meet individually with students to help them understand course concepts

Peer Tutor in Statistics, Mathematics, and Economics

St. Lawrence University, Winter 2013-Present

- Tutor undergraduate students in classes pertaining to statistics, economics, and mathematics
- Work with students one-on-one to help them understand course material
- Manage three to five hour sessions per week around personal and tutee schedule

PRESENTATIONS

Chang, J. (2013). *Predicting Owner Tendencies in Fantasy Football Drafts*. Poster presentation to be given at the St. Lawrence University Honors Reception, October 2013.

Chang, J (2013). *Predicting Owner Tendencies in Fantasy Football Drafts*. Oral presentation given at the St. Lawrence University Quantitative Club Meeting, September 2013.

Chang, J (2013). *Predicting Owner Tendencies in Fantasy Football Drafts*. Oral presentation given at the University of California at Berkeley 21st Annual McNair Scholars Symposium, Berkeley, California, August 2013.

Chang, J. (2013). *Predicting Owner Tendencies in Fantasy Football Drafts*. Poster and Oral presentations given at the University at Buffalo 19th Annual McNair Undergraduate Research Conference, Niagara Falls, New York, July 2013.

Chang, J. (2013). *Predicting Owner Tendencies in Fantasy Football Drafts*. Presented ongoing research project on a weekly basis to faculty of Mathematics, Computer Science, and Statistics, Summer 2013.

CONFERENCES ATTENDED

University of California at Berkeley 21st Annual McNair Scholars Symposium, Berkeley, CA, August 2013

University at Buffalo 19th Annual McNair Undergraduate Research Conference and 9th Annual Graduate School Opportunities Visit, Niagara Falls, NY, July 2013

McNair Graduate School Preparation Camp, Murray State University, Lake Barkley State Resort & Conference Center, Cadiz, KY, May 2013

HONORS, AWARDS & LEADERSHIP

- Pi Mu Epsilon Mathematics, Computer Science, and Statistics Honor Society
Fall 2013-Present
- Ronald E. McNair Post-Baccalaureate Achievement Program Scholar
Winter 2013-Present
- Omicron Delta Epsilon Economics Honor Society
Winter 2013-Present
- Liberty League Athletic Conference All-Academic Team
Fall 2011-Present

- St. Lawrence University Dean's List
Spring 2011
- Presidential Diversity Scholar
Fall 2010-Present
- St. Lawrence University Men's Varsity Soccer Team
Fall 2010-Present

WORK EXPERIENCE

Teaching Assistant in Applied Statistics, *St. Lawrence University*, Canton, NY
Fall 2013

Peer Tutor in Statistics, Mathematics, and Economics, *St. Lawrence University*, Canton, NY
Winter 2013-Present

Front Desk Assistant, *Stafford Fitness Center*, Canton, NY
Spring 2012-Present

Snack Bar Employee, *Coveleigh Country Club*, Rye, NY
Summer 2012

Name

Email, phone #, campus address and permanent address

EDUCATION

Bachelor of Arts, St. Lawrence University, Canton, New York Anticipated May 2013
Majors: **Sociology; Fine Arts**
Study Abroad: Ethiopia, Africa 2011; London, England 2012
Pace University Upward Bound Program, New York, New York 2006-2009

ACADEMIC HONORS & AWARDS

St. Lawrence University, Who's Who among Students in American Universities and Colleges 2012
Ronald E. McNair Postbaccalaureate Achievement Program Fall 2011-Present
Arthur O. Eve Higher Education Opportunity Program (HEOP) Fall 2009-Present

- Outstanding Junior of the Year, 2011-2012
- Outstanding Sophomore of the Year, 2010-2011
- Director's List, Spring 2010, 2011
- Consistency in College Writing Award, 2009
- Most Outstanding in Concepts of Math Award, 2009

TEACHING EXPERIENCE

Teaching Assistant, *Art Department*, St. Lawrence University Spring 2013

- Assist instructor with Digital Media and Culture class by organizing class assignments and keeping student attendance records
- Provide students with technical understanding of digital media editing programs including ArtRage, Adobe, and iMovie

Tutor/Counselor, *Pace University Upward Bound Program*, New York, NY July-August 2012

- Facilitated academic workshops and classes alongside Program Director
- Assisted Program Assistant Director with chaperoning educational trips and general office duties

Instructor, *Pace University Upward Bound Program*, New York, NY June-August 2011

- Taught African Dance and Studio Art to high school students ages 14 to 18
- Integrated cultural and creative activities into class lessons

RESEARCH EXPERIENCE

Ronald E. McNair Postbaccalaureate Achievement Program, St. Lawrence University Summer 2012

- Designed and conducted an original research project studying the maintenance of West Indians' cultural diaspora through music such as Soca, Chutney and Calypso within New York City and London
- Project findings will be presented at the 2012 Eastern Sociological Society Conference in Boston, MA

Travel Enrichment Grant, St. Lawrence University Spring 2012

- Awarded travel grant through the Center for International and Intercultural Studies to conduct an independent research project studying West Indian communities in London and New York City
- Conducted photographic research in order to illuminate West Indian culture and identity
- Presented research at the Fall 2012 Sociology Student Forum

WORK EXPERIENCE

- Resident Assistant, *Office of Residence Life*, St. Lawrence University** August 2010-Present
- Facilitated community development and utilized resources for transitioning First-Year students
 - Reinforced university and residence hall policies and procedures
 - Maintained safety and security of 25 residents and assisted staff with other residents as needed
 - Communicated and worked directly with Student Life offices through weekly staff meetings
- Admissions Ambassador, *Office of Admissions*, St. Lawrence University** August 2012-Present
- Provide guided campus tours to prospective students and their families; correspond with prospective students; and assist admissions counselors with projects and campus events
- Assistant, *Africa Fashion Week*, New York, New York** August 2012
- Assisted designers and models with clothing and preparation
- Office Assistant, *Royal College of Art*, London, England** March-May 2012
- Performed general clerical duties
 - Assisted with the annual *London Original Print Fair* at the Royal Academy of Arts
- Gallery Attendant, *Richard Brush Art Gallery*, St. Lawrence University** September 2010-December 2012
- Maintained art gallery facilities and assisted patrons with information on current exhibits
- Filing Assistant, *Advancement Services & Stewardship*, St. Lawrence University** September 2010-May 2011
- Assisted development researchers by accurately maintaining confidential alumni files, confirming alumni contact information using the SAINTS database, and other projects as assigned
- Office Assistant, *Center for Civic Engagement*, St. Lawrence University** Fall 2010
- Provided general clerical duties including assistance with office projects for volunteer groups
- Food Service Worker, *Dana Dining Services*, St. Lawrence University** September 2009-May 2010
- Supported dining hall staff with food preparation during meal times

CAMPUS ACTIVITIES

- Community Assistant Activity Leader, *Office of Residence Life*, St. Lawrence University** Fall 2012-Present
- Serve as student leader for resident assistant selection group process
 - Lead team building activities and group management techniques for residential assistant staff
- Affiliated Colleges Diversity Consortium, *Office of Student Life*, St. Lawrence University** Fall 2012-Present
- Selected as St. Lawrence University Coordinator in charge of setting up collaborative activities with associated colleges
- Resident Coordinator Search Committee, *Office of Residence Life*, St. Lawrence University** Summer 2012
- Participated in search and hiring committees for residential coordinators
- Resident Assistant Training Committee, *Office of Residence Life*, St. Lawrence University** Fall 2011
- Planned and implemented training for new and continuing Community Assistants
- Public Relations Coordinator, *Dance Ensemble*** Spring 2009-Present
- Created advertising campaign for upcoming events

SKILLS

Computer: Microsoft Office Suite; Adobe Photoshop, Illustrator, Dreamweaver; ArtRage; iMovie
Languages: Fluent in West Indian Patois Dialect