

First & Last Name

Dorchester, MA | (756) 294-0000 | email@bc.edu | linkedin.com/in/name

EDUCATION

Boston College, Morrissey College of Arts and Sciences **Chestnut Hill, MA**

Bachelor of Science in Biology, Minor in Environmental Studies | GPA: 3.45 / 4.00 May 2024

Relevant Coursework: Urban Design for Sustainability, International Environmental Science & Policy, Geographic Information Systems for Decision Making

The University of Queensland **St. Lucia, Australia**

- Conducted fieldwork on the distribution and size of sea cucumbers and green paddle worms in the Great Barrier Reef to track tidal change effect on population growth and distribution Fall 2022

RESEARCH EXPERIENCE

Boston College Oceanography & Estuarine Processes Lab **Chestnut Hill, MA**

Undergraduate Research Fellow for Gail Kineke January 2022 – March 2024

- Analyzed 200+ fine and coarse mud samples with a RO-TAP and sedigraph to depict sediment deposition and river morphology in both the Huang He River Delta in China and the Connecticut River Estuary
- Calibrated sensitive field and lab equipment for optimal results during sample testing
- Streamlined lab processes, increasing lab productivity from 10 samples per week to 22 samples per week

Northeastern University Ecological Economics & Fisheries Lab **Nahant, MA**

Intern for Jonathan Grabowski Summer 2023

- Ensured the success of a predation and regeneration experiment on 36 juvenile lobsters by regularly analyzing tank conditions and monitoring lobster interaction
- Maintained survivability conditions of 120+ mussels and 80+ baby lobsters used by staff for experiments

Boston University Ocean Ecology & Bio-Geochemistry Lab **Boston, MA**

Intern for Robinson Fulweiler Summer 2022

- Collected and profiled gas production of 20 topsoil core samples from salt-marshes near Ipswich, MA
- Built and dismantled 5 experimental field rigs after running lost-on-ignition and carbon-nitrogen analysis tests

SIGNIFICANT PROJECTS

Veg4Kids September 2023

- Collaborated with a team to develop a 30-page business plan for an indoor aquaponics farm intended for elementary and middle school use
- Pitched project to venture capitalists, who deemed it one of two viable proposals out of eight total proposals, resulting in \$5,000 award of funding for implementation

Boston College Campus Food Waste March 2023

- Conducted study by surveying 200+ undergraduate students using Qualtrics to determine if on- or off-campus living resulted in more food waste per capita
- Presented findings and a 10-year waste reduction plan to Boston College's Sustainability Department

SKILLS

Computer: Microsoft Office Suite, R, Python, STATA, QGIS, Google Analytics

Languages: Haitian Creole (Fluent), French (Intermediate Proficiency)

First & Last Name

Seattle, WA | email@bc.edu | (626) 747-4242 | linkedin.com/name

EDUCATION

Boston College, Morrissey College of Arts and Sciences; Chestnut Hill, MA

Bachelor of Science in Computer Science | Minors in Mathematics & Philosophy

May 2025

GPA: 3.86/4.00 | Dean's List First Honors (Fall 2019 – Spring 2020)

Relevant Coursework: Machine Learning, Object Oriented Design, GPU Computing

TECHNICAL SKILLS

Proficient in Java, Python, Linux, AWS, Docker, HTML, PHP, SQL, Ocaml

Competent in CUDA, Lua/Torch7, Deeppy, Keras, C, Git, ARM Assembly Language, Javascript, NodeJS, React, Azure, GCP

SELECTED PROJECTS

MLancer | CEO

January 2024

- Conceptualized and developed networking platform to connect developers to businesses looking to enter into artificial intelligence use, allowing them to leverage burgeoning community of Machine Learning hobbyists, students, and professionals
- Facilitated posting and execution of projects to assist in the transformation of Machine Learning from an esoteric research topic to a ubiquitous, valuable product

Rap Generator

September 2023

- Employed N-Gram probabilistic model to select scraped words most associated with select “style” of a particular artist to generate a rap true to the selected artist’s style

RESEARCH EXPERIENCE

InterSystems Corporation; Cambridge, MA

Summer 2023

Software Development Intern

- Collaborated with supervisor to implement elasticity in cloud infrastructure provisioning and deployment tool
- Pitched use case and developed tool to manage and manipulate multiple cloud instances, resulting in public demonstration by the corporation at the Summer Global Summit

Omni Retail Technology; Seattle, WA

Summer 2022

Software Development Intern

- Developed N-Gram Probabilistic model to categorize Home Depot Reviews with 75% accuracy
- Employed Natural Language Processing techniques to clean scraped big data
- Investigated and implemented relevant, newly published papers to optimize processes

WORK EXPERIENCE

Boston College Computer Science Department; Chestnut Hill, MA

January 2023 – Present

Teaching Assistant for Computer Science I

- Provide further guidance and clarification on fundamental concepts of computer science to 35 students by holding four office hours per week

FIRST & LAST NAME

linkedin.com/name | email@bc.edu | (234) 567-3974 | Austin, TX

Education

Boston College, Morrissey College of Arts & Sciences, Chestnut Hill, MA May 2024

Bachelor of Science in Chemistry, Minor in Hispanic Studies

Major GPA: 3.76/4.00 | Cumulative GPA: 3.56/4.00

Universitat Pompeu Fabra, Barcelona, Cataluña, Spain January 2023 – March 2023

- Participated in Spanish culture and language immersion program, including living with a host family and attending a host university

Skills

Laboratory: Photomicroscopy, Mass Spectrometry, Immunocytochemistry, Plasmid DNA Isolation, Transformation

Language: Spanish (Advanced Proficiency)

Pharmaceutical Experience

Massachusetts College of Pharmacy & Health Science, Chestnut Hill, MA Summer 2023

Health Economics Research Assistant

- Designed, created, and tested a strategic model for the pharmaceutical industry that analyzes safety, efficacy, and economics to forecast which drugs will succeed on the market prior to clinical trials, significantly reducing the \$800M spent to successfully launch a drug

Tetraphase Pharmaceuticals Inc., Boston, MA Summer 2022

Pharmaceutical Lab Research Assistant, Infectious Disease Department

- Identified deficiencies in Type 2 diabetes drugs on the market and screened chemicals on new cellular targets to develop a more efficient drug, which is predicted to obtain substantially greater market share in the \$14B oral Type 2 drug market compared to competitors

Boston Cancer Center, Boston, MA Summer 2021

Academic Lab Research Assistant

- Developed a product to recognize activity of a cancer-causing gene, aiding in discovery of brain cancer drug
- Engaged in all stages of product development, including identification of market need, engineering of product, collaborating with industry for testing, production, and marketing of final drug
- Designed a new sequencing technique that refined a common laboratory protocol, increasing efficiency by 50% on average, reducing processing time by 25%, and creating more usable biological end-product

Volunteer Experience

The Campus School at Boston College, Chestnut Hill, MA September 2021 – May 2024

Buddy Program

- Formed a lasting relationship with a student with severe disabilities through activities like reading, listening, and walking in weekly meetings to develop and enhance socialization skills

The Campus School at Boston College, Chestnut Hill, MA September 2020 – May 2024

Classroom Assistant

- Provided assistance to a special education teacher for 10+ hours a week in meeting the educational, therapeutic, and health care needs of six first grade students

GRADUATE STUDENT CV

First F. Last Curriculum Vitae

(207) 123-4567 • firstlast@bc.edu • Boston, MA

EDUCATION

Boston College, Morrissey College of Arts and Sciences

Master of Science in Chemistry

Thesis: "Complete thesis title."

Advisor: Prof. Aaron B. Carter

Chestnut Hill, MA

May 2025

University of Maine, Orono

Bachelor of Science in Chemistry

Thesis: "Complete senior thesis title."

Advisor: Prof. Diana E. Flores

Orono, ME

May 2021

RESEARCH INTERESTS

Pharmaceutical development, environmental impacts of medication usage

RESEARCH EXPERIENCE

Graduate Research Assistant

Carter Research Group, Boston College

August 2023 - Present

Chestnut Hill, MA

- Developed a chemoselective ligand-controlled method for allyl addition to nitriles and ketones, including mechanistic and computational studies elucidating stereoelectronic effects that dictate this unique chemoselectivity.
- Developed a new catalytic click reaction involving ketones and allenes, which is orthogonal to CuAAC and SuFEx, and demonstrated its utility for efficient synthesis of multi-drug conjugates.
- Conceptualized and implemented a method for addition of organocerium reagents to in situ generated NH-ketimines.

Undergraduate Research Assistant

Prof. George Harrison Research Lab, University of Maine, Orono

January 2019 - May 2021

Orono, ME

- Synthesized a series of pyrazoline, pyrazolidine, and pyrazole derivatives as enzyme inhibitors for alcohol dehydrogenases.
- Investigated efficiency of inhibitors against alcohol dehydrogenases through spectroscopic kinetic arrays.

PUBLICATIONS

Harrison, G. A., Fellow, P. D., Last, F. F. Inhibitors against alcohol dehydrogenases. *New Journal of Chemistry*. 2021, 12, 34-38. <https://doi.org/10.1234/123kjfpoe2>

PROFESSIONAL EXPERIENCE

Chemical Biology Associate

Novartis Pharmaceuticals

July 2021 - September 2023

Cambridge, MA

- Performed organic synthesis and purification procedures to prepare samples for biological testing.
- Independently formulated chemical synthesis plans and iterated plans to address issues as they arose.

Volunteer Water Quality Coordinator

Friends of Casco Bay

June 2019 - August 2019

Portland, ME

- Organized and led three water quality monitoring events at public beaches in Casco Bay.
- Trained volunteers on proper sampling techniques, accurate data collection, and safety protocols.

GRADUATE STUDENT CV

- Analyzed collected water quality data using Excel and R to identify trends and potential pollution sources.
- Prepared report summarizing findings and recommendations for presentation to local environmental agencies.

GRANTS, AWARDS, CERTIFICATES, AND HONORS

Senior Thesis with Distinction, University of Maine, Orono

May 2021

Charles A. Brautlecht Scholarship, Chemistry Department, University of Maine, Orono

May 2020

COMMUNITY INVOLVEMENT

National Chemistry Week, Somerville High School, Workshop Instructor

Boston Latin School, Chemistry Club, Workshop Instructor

AFFILIATIONS

American Chemical Society, Boston College Chapter, Graduate Student Member