

Henry Barthelemy

Available: September - December 2022

Pronouns: he/him or they/them

[GitHub](#) | [LinkedIn](#) | [Website](#)

Local: Boston, MA | Permanent: Rye, NY | (914) 960-0247 | barthelemy.h@northeastern.edu

Education:

Northeastern University, Boston, MA September 2021 – Present

Khoury College of Computer Sciences

Candidate for Bachelor of Science in Computer Science and Mathematics, Expected 2025

GPA/Honors: 3.58/4.00

Relevant Courses: Object Oriented Design | Linear Algebra | Logic and Computation | Discrete Structures | Differential Equations | Calculus 3

The Frederick Gunn School, Washington, CT August 2017 – May 2021

GPA: 3.93/4.00 unweighted

Honors/Awards: Mathematics Award, Captain of First Robotics Team, Captain of Varsity Ski

Technical Knowledge:

Languages: Java, Scala, Python, HTML, CSS, TypeScript, ACL2s, Lean

Systems: Windows, Ubuntu, macOS

Technologies/IDEs: Git, Visual Studio Code, React.js, Eclipse, Unity, Bootstrap

Work Experience:

Khoury College of Computer Science at Northeastern University May 2022 – Present

Teaching Assistant for Fundamentals of Computer Science 2

- Held office hours, led exam review sessions, and graded exams and assignments
- Provided helpful feedback to students and facilitated the class for students and instructors

Peer Tutor at Northeastern University Peer Tutoring Program January 2022 – Present

CRLA Certified Peer Tutor for Undergraduate Northeastern Students

- Trained and certified in tutoring following guidelines of the College of Reading and Learning Association
- Providing tutoring in one on one and in larger review sessions with undergraduate Northeastern students

Robotics and Beyond, New Milford, CT, July 2019 – August 2021

Assistant Director and Head Computer Science Instructor

- Prepared lesson plans and taught groups of 5-15 students aged 8-15 in various Computer Science courses
- Developed schedules for camp, coordinated between instructors, administrators, and parents
- Created long term Computer Science department plans for future camp classes

Smithy Cafe, New Preston, CT, *Barista* June – August 2021

Frederick Gunn School, Washington, CT, *Student Class Lead* December 2019 – March 2020

- Prepared lesson plans and taught a First Robotics Class

Personal Projects:

Personal Website – *Bootstrap, CSS, HTML, Visual Studio Code* January 2022

- Developed website using Bootstrap for seamless front-end design on multiple device types

Seam Carver – *Java, IntelliJ*, February 2022

- Developed an image editing software that can resize photos using a liquid rescaling algorithm that incorporates Dijkstra's algorithm. The algorithm rescales image by taking out seams of pixels that are of least importance.

Nordle – *Java, Eclipse IDE, Java Swing, AWT Library* June 2019

- Developed the popular Wordle game in Java, and a version called Dordle, where the user guesses two words simultaneously, created with an object-oriented data design structure that allows for wordle variants

Interests/Other Skills: Trilingual (English/French/Spanish), Northeastern (NU) Math Club, NU Competitive Programming, NU Cheese Club, Guitar/Piano