

Charles Gagnon

10 Rockridge Road
(508) 654-5359

Natick, MA 01760
CHARLES_GAGNON@BROWN.EDU

Education

August 2018 - Present

Brown University, Computer Science Sc.B.
Projected Class of 2022

September 2014 - June 2018

Natick High School, Class of 2018

Work Experience

Brown University Sheridan Center - Physics Tutor

October 2019 - Present

Prepares and delivers weekly lessons for two groups of five students in introductory mechanics course

RE/MAX Best Choice Natick - Receptionist

October 2016 - July 2018

Managed phone and walk-in office traffic, assisted with real estate agents' document organization and filing

Woodtrail Camp - Summer Camp Counselor

July - August 2017, 2018 2019 (seasonal)

Employee of Natick Recreation and Parks Department's K-8 summer day camp, engaged campers in sports, crafts, performances, and field trips, while ensuring a safe environment

Relevant Coursework

Machine Learning (Spring 2020)

Theory and implementation in supervised and unsupervised learning

Computer Vision (Spring 2020)

Methods for image modeling and classification, including deep learning

Introduction to Systems (Fall 2019)

In C and x86 assembly: built Bash shell, dynamic memory allocator, and multithreaded database

Full-Year Introductory Computer Science Sequence (2018-2019)

Functional and object-oriented programming, algorithms and data structures

Abstract Algebra (Spring 2020)

Electrical Signals and Circuits (Spring 2020)

Ordinary Differential Equations (Spring 2020)

Probability and Statistics I (Fall 2019)

Honors Linear Algebra (Spring 2019)

Multivariable Calculus with Analysis (Fall 2018)

Skills

- Java - C - Python (with NumPy, TensorFlow, Pandas) - Google Cloud Platform - OCaml
- Proficiency in French

Extracurricular Involvement

Brown University Band - Vice President

November 2019 - November 2020

As the primary contact between Brown Athletics and the Band, determines the Band's performance schedule, reserves facilities for rehearsals and performances, and prepares marching forms for field and ice shows

Awards and Recognition

Named National Merit Scholar, May 2018

Massachusetts Association of School Superintendents' Certificate of Academic Excellence, September 2017

Massachusetts Speech and Debate League State Champion, Student Congress, April 2017