

Sidney La Fontaine

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www.sidneylafontaine.com / <https://www.linkedin.com/in/sidneylafontaine/> /
<https://github.com/sidneylafont/> Dates of Availability: January – August 2021

Education

Northeastern University, Boston, MA

September 2018 - present

Khoury College of Computer Sciences

May 2022

Candidate for Bachelor of Science in Data Science

Minors: Mathematics and Philosophy

GPA: 3.844/4.0; University Honors Program, Dean's Scholarship and Dean's List all semesters

Relevant Courses: Object Oriented Design, Database Design, Large-Scale Information Storage/Retrieval, Algorithms and Data, Information Visualization, and Statistics and Stochastic Processes

Interests: Philosophy, Basket weaving, and board games

The Kent School, Kent, CT

September 2014 - June 2018

High School Diploma

High Honor Roll and Cum Laude Society

Skills

Languages: Python, Java, SQL, JavaScript, C++, R, Scala, HTML, CSS, and Racket

Software: MongoDB, PostgreSQL, Tableau, Jupyter Notebook, Apache Spark, Neo4j, and Redis

Project

Biolink

January 2020 – June 2020

- Biolink is a multi-model database to support queries on biological knowledge
- My team added new node types (bioassays and compounds) and associations (bioassays to genes and compounds to bioassays) to Biolink's graph database (Neo4j) and JSON database (MongoDB)
- The full project is available at <https://github.com/rachlin/biolink>

Wind Energy

September 2019 - December 2019

- Scraped data on weather, and tested our hypothesis; time of day effects power generated by wind
- Used machine learning algorithms to predict power generated at specific times based on our features
- The full project is available at <https://github.com/sidneylafont/Wind-Energy>

Professional Experience

Northeastern University, Khoury College, Boston, MA

January 2019 - present

Teacher's Assistant for Fundamentals of Computer Science 1

- Conduct and organize a weekly lab for up to 101 students to give a supplemental lecture on week's topics
- Lead office hours and tutor students on the principles of programming, such as recursion and representing code as data
- Grade problem sets and exams to provide feedback to students

Camp Asto Wamah, Columbia, CT

July 2016 – July 2019

Overnight Camp Counselor

- Supervised a cabin of ten campers, ages 8, 9, and 12
- Led campers in activities such as swimming lessons, boating lessons, and sports
- Ensured and enforced camper safety

The Kent School, Kent, CT

December 2014 - June 2018

Head Tour Guide and Tour Guide

- Organized and coordinated the scheduling of 15 tour guides
- Conducted tours of school for prospective applicants and families

Andros, Floyd & Miller P.C., Hartford, CT

June 2016 - August 2016

File Clerk

- Organized tens of thousands of files and tracked their locations throughout the office

Volunteer

X-Cel Education, Dorchester, MA

September 2018 - May 2019

Math Tutor

- Taught 10 adults high school level math in their pursuit of a high school equivalency degree