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 2022

Education

Northeastern University, Boston, MA   *September 2018 - present*
Khoury College of Computer Sciences   *May 2023*
Candidate for Bachelor of Science in Data Science
Minors: Mathematics and Philosophy
GPA: 3.87; 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

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, AWS, Tableau, Jupyter Notebook, Docker, Apache Spark, Neo4j, and Redis

Projects

Biolink   *January 2020 – June 2020*
- Added new node types (bioassays and compounds) and associations (bioassays to genes and compounds to bioassays) on existing multi-model 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

Genentech, San Francisco, CA   *January 2021 – July 2021*
NLP (Natural Language Processing) analyst
- Applied Machine Learning and rule-based NLP algorithms to over 36 million PubMed abstracts to execute Name Entity Recognition and Relation Extraction.
- Designed and built graph database using Neo4j containing tens of millions of entity associations between biological entities extracted from PubMed abstracts and public data.

Northeastern University, Khoury College, Boston, MA   *January 2019 - present*
Teacher's Assistant for Fundamentals of Computer Science 1
- Develop and teach a weekly lab for up to 101 students to provide a supplemental lecture on week's topics.
- Hold 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 over three summers.
- Ensured and enforced camper safety, while leading swimming lessons, boating lessons, and sports.

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.

Volunteer and Interests

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

Interests: Philosophy, Basket weaving, and Soccer