ELLIOTT YOON

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ABOUT ME

Website	http://elliottyoon.me
Technologies	Git, HTML/CSS + JS, Java, LaTeX, MATLAB, Microsoft Office, Python, SQL, Vim
Frameworks	Jupyter, MongoDB, NodeJS, Pandas, React, Scikit-Learn, Tensorflow
Coursework	(Full list of relevant coursework here .)

EXPERIENCE

Correlation One Remote (2021)
Data Science Fellow
- · Studied and applied data science practices at a fully immersive project-based 22-week fellowship.
- · Team leader for the final capstone project; see *Correlating Brazilian Deforestation and Economics* below.

Lakeland Community College
Math Tutor Kirtland, OH (2019-2021)
- · Gave walk-in tutoring to students of varying math proficiency, from elementary algebra to advanced calculus.
- · Captioned Calculus II lectures for a hearing-impaired student during COVID-19 lockdown remote learning.

Lab Assistant Kirtland, OH (2018-2020)
- · Worked with two other lab assistants to develop and complete chemistry labs for all five chemistry courses offered. Implemented various techniques for the preparation, neutralization, and dilution of hazardous chemical solutions. Assisted in column replacement for two gas chromatography instruments.

EDUCATION

Northwestern University Evanston, IL (2021-   )
Bachelors of Computer Science
- · National Merit Scholar. Mathematical Experience for Northwestern Undergraduates (MENU) participant.

South High School Willoughby, OH (2017-2021)
- · Valedictorian, 4.87 GPA. Varsity ice hockey, tennis, and lacrosse. Graduated with AS and AA degrees from Lakeland Community College (Summa Cum Laude, Mathematics Student of the Year, Provost's Award)
- · Silver medals in mathematics and music at 2019 United States Academic Decathlon National competition.

PERSONAL PROJECTS

- • "Correlating Brazilian Deforestation and Economics (2021) — End-to-end analysis of correlations between Amazon rainforest deforestation and economic health of surrounding Brazilian states. Queried, cleaned, and analyzed data using various data science practices. Reported final analysis and insights with written executive summary.
  — SQL, Tableau, Python (Jupyter Notebook, Pandas, Seaborn, MatPlotLib, scikit-learn).
- • "Fractal Generator (2021) — Java script that creates and manipulates geometric shapes with user-specified properties. Utilizes object-oriented polymorphism and hierarchy design for runtime efficiency.
  — Java
- • "Naos" (2021) — Built an online social media platform that utilizes recommendation algorithms to assist users in finding like-minded collaborators for projects. Awarded 2nd place at Solon High School Hackathon.
  — MongoDB, Express, React, NodeJS, HTML, CSS, and Javascript
- • "lolcat" (2021) — Built an English-to-Lolspeak translation engine deployed in a desktop GUI application.
  — Python, Tkinter
- • Github (https://github.com/elliottyoon/)