ELLIOTT YOON

440.840.8549 ⋄ elliottyoon@u.northwestern.edu

ABOUT ME

Languages	C, C++, Golang, Javascript, Java, Python, Racket, SQL, x86 Assembly
Technologies	Git, Bash, HTML, CSS, Flask, React, Tensorflow, Tableau, PostgreSQL, Pandas
Coursework	(Full list of relevant coursework here .)

EDUCATION

Northwestern University Evanston, IL (2021-)
Bachelors of Computer Science
· 3.9/4.0 GPA. Algorithmic Trading Club, Club Ice Hockey, Fintech Club, Political Union

EXPERIENCE

Union Home Mortgage Strongsville, OH (2022-)
Data Analyst Intern
· Managed and retrieved required data. Facilitated drilldown reporting by designing both relational and non-relational models in the data warehouse. Created and updated stored procedures part of the ETL process and assisted in the automation of manual data analytic efforts.
· Utilized Microsoft Azure Cloud: Azure Data Factory, SQL Server, and Azure Data Lake.

Northwestern University Evanston, IL (2022-)
Undergraduate Researcher
· Studied relationships between Lie algebra classifications via Dynkin diagrams and encodings of simple Lie algebras with combinatorical data.
· Mentored by Professor Santiago Cañez.

Correlation One Remote (2021)
Data Science Fellow
· Performed statistical analysis on extracted time series aggregate data with correlation analysis, chi-squared tests, and regression models to analyze relationship between Amazon rain forest deforestation and socioeconomic health of Brazilian states; see *Correlating Brazilian Deforestation and Economics* below.
· As team leader, coordinated meetings and oversaw group of 5 fellows.

PERSONAL PROJECTS

- "Pineapple Pics (2022) — Developed flask web application to enable and expedite media sharing between my friends via the internet browser.
  — Utilized Flask Jinja templating and SQLalchemy to dynamically update the front end from a PostgreSQL server-side database.
  — Built REST API endpoints to handle user requests; tested endpoints with Postman.
  — Used React to further generate the front end based on client-side inputs.
  — Authenticated users over Web Sockets using JSON web tokens.
- "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).
- "Naos" (2021) — Built an online social media platform with the MERN stack that utilized a collaborative filtering algorithm to assist users in finding like-minded collaborators for projects.
  — 2nd place at Solon High School Hackathon.
- Github (https://github.com/elliottyoon/)