

# ELLIOTT YOON

440.840.8549 ◇ [elliottyoona@u.northwestern.edu](mailto:elliottyoona@u.northwestern.edu)

## ABOUT ME

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<b>Languages</b>	C, C++, Golang, Javascript, Java, Python, Racket, SQL, x86 Assembly
<b>Technologies</b>	Git, Bash, HTML, CSS, Flask, Linux, Tensorflow, Tableau, PostgreSQL, Pandas
<b>Coursework</b>	(Full list of relevant coursework <a href="#">here</a> .)

## EDUCATION

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

## EXPERIENCE

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<b>Union Home Mortgage</b>	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.	

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

<b>Correlation One</b>	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 <i>Correlating Brazilian Deforestation and Economics</i> below.	
· As team leader, coordinated meetings and oversaw group of 5 fellows.	

## PERSONAL PROJECTS

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- [“Pineapple Pics”](#) (2022) — Developed web app for my friends so that we could share pictures and videos with each other via web browser.
  - Utilized Flask Jinja templating and SQLAlchemy to dynamically generate the front end from a PostgreSQL server-side database.
  - Built REST API endpoints to handle user requests; tested endpoints with Postman.
  - 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.
  - Awarded 2<sup>nd</sup> place at Solon High School Hackathon.
- Github (<https://github.com/elliottyoona/>)