

# Seung Hee Daniel Lee

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## EDUCATION

**Northwestern University**, Evanston, Illinois

**Expected Graduation: June 2025**

*Bachelor of Science in Computer Science*— **GPA: 3.72/4.00**

**Honors:** Dean's List - High Honors, Google Latinx Student Leadership Summit 2022, Tapia Conference 2022

Scholarship Recipient (The D.E. Shaw Group Scholarship), Northwestern Emerging Program in Mathematics

**Relevant Coursework:** Data Structures and Algorithms, Functional Programming, Web Development

**Currently Taking Fall 2022** – Intro to Computer Systems, Human Computer Interaction, Meta ABCS

## SKILLS & ACTIVITIES

**Technical Skills:** Python, Java, C, C++, HTML, CSS, JavaScript, SQL

**Languages:** Fluent in English, Spanish; Limited Proficiency in Korean

**Activities:** Northwestern WildHacks (Hackathon Director), IEEE, SHPE, ColorStack, NU Fintech, Algo Trading Club

## RELEVANT EXPERIENCE

**Google** | *Incoming Summer 2023 SWE (STEP) Intern* | Mountain View, CA

**June 2023 – September 2023**

**Two Sigma** | *College-Mentor Connect/Open-Source Contributor* | Virtual

**July 2022 – August 2022**

- Selected as 1 of 12 first-year students to participate in competitive 6-week Two Sigma mentorship program
- Worked on Git-Meta, a Two Sigma open-source library (JavaScript) helping developers work with large codebases by facilitating a mono-repo, contributing feature/updates to the cherry-pick and rebase commands
- Added to library functionality by fixing bugs, unit testing functions, and improving documentation

**Google** | *Software Product Sprint Participant* | Virtual

**May 2022 – August 2022**

- Selected as 1 of 115 for immersive Google program focusing on software engineering and web development basics
- Led group of peers in designing and implementing educational web application targeted as a fun casual trivia game, using Java, JavaScript, HTML and CSS over the course of 10 weeks, leveraging various Google Cloud Platform APIs including App Engine and Datastore
- Participated in industry practices such as contributing to open-source software using Git and GitHub, conducting code reviews, participating in distributed development, designed and completed new components and interfaces

**Photo App** | *Personal Project*

**April 2022 – June 2022**

- Deployed full-stack photo-sharing app resembling Instagram on Heroku; designed UI utilizing HTML, CSS, JavaScript, and React; built web server, REST API, and PostgreSQL database using Flask and SQLAlchemy
- Implemented web sockets and authentication (JWT) to allow for personalized feeds as well as ensure security

**Sentiment-19** | *IEEE Project Member* | Evanston, IL

**December 2021 – April 2022**

- Collaborated with team of 4 to create sentiment analysis model of COVID-19 tweets through a lexicon-based approach and web scraping in Python (Text2Emotion and Snsrape)
- Analyzed over 400,000 Twitter tweets to gain insights on current sentiment in the United States towards controversial topics such as mask mandates and elections

## COMMUNITY INVOLVEMENT

**Northwestern CS Department** | *Teaching Assistant – CS 150* | Evanston, IL

**September 2022 – Present**

- Guided students in submitting assignments earlier by helping them debug, understand pseudocode, and write readable/better time complexity code to better understand object-oriented programming in Python
- Hosted weekly office hours and marked weekly assignments, improving productivity of professor and freeing up time by attending to over 30+ students weekly

**Northwestern WildHacks** | *Director of External Publicity* | Evanston, Illinois

**February 2022 – May 2022**

- Reached out to over 30+ different sponsors and managed to secure corporate sponsors including Citadel and Coca-Cola raising \$10,000 and attracting more than 150+ hackathon participants
- Served as main channel of communication for organizing committee after drafting sponsorship package