

Thomas Moh

Email : thasmoh2023@u.northwestern.edu

LinkedIn: <https://www.linkedin.com/in/thomas-moh-39ab27196/>

Mobile : +1-309-660-4651

Githubs: <https://github.com/sosalover>, <https://github.com/thomas-cured>

Website: <https://sosalover.github.io>

EDUCATION

- **Northwestern University** Evanston, IL
Bachelor's of Science in Computer Science, Minor in Psychology; GPA: 3.95 *Sept 2019 - June 2023*
Courses: Machine Learning, Algorithms Analysis, Data Structures, Systems, Graphics, Networking, and Quantum Computation
- **Juan Carlos III University** Madrid, Spain
Study Abroad, School of Engineering, GPA: 4.0 *Sept 2022 - Dec 2022*

SKILLS SUMMARY

- **Languages:** C, C++, Javascript/Typescript, Java, Python, C#, Lisp, MATLAB, Racket, LookML, and eager to learn more!
- **Foreign Language:** Spanish, B2-C1 level, lived in Spain for 4 months
- **Tools:** Looker, DBEaver, GIT, JIRA, Matlab, Postgres
- **Traits:** Curious, Self-motivated, Leader, Sociable, Organized

EXPERIENCE

- **Cured.** Chicago, IL
Technical Intern *June 2022 - Sept 2022*
 - Designed and implemented a "Query Log Dashboard" using Looker and LookML to alert developers of possible new bugs, and allowed developers to track bugs, save runtimes, and visualize underlying SQL queries.
 - Led team to increase efficiency and performance of data analytics pipeline with SQL optimization techniques, including Aggregate Awareness and Data Persistence.
 - Translated customers' requirements into data visualizations powered by machine learning.
 - Incorporated a new SMS Insights dashboard, using LookML and SQL, to give customers feedback on the efficacy of SMS messaging campaigns.
- **Amazon** Tempe, AZ
Software Developing Engineering Intern *June 2021 - Sept 2021*
 - Designed and created an integration test suite for a frontend application on SellerCentral using Typescript and the Cypress framework by mocking essential workflows with App Actions and Page Objects.
 - Connected test suite to the full development, CI/CD cycle by designating CPU power towards a test worker which carried out the mock workflows in between pushes through the alpha, beta, and gamma test environments.
 - Educated developers on utilizing the Cypress framework to create robust tests through presentations, user guides, and documentation.

OTHER PROJECTS

- **Musical Influence Analysis:** A study on human and computational definitions of musical influence. (2023) [LINK]
 - Constructed a corpus of over 1000 songs and 10 features for statistical analysis via the Spotify API.
 - Trained various machine learning models to learn the human definition of influence in R.
 - Modeled musical influence using the DEMATEL matrix method in R and conducted analyses to find that the model was statistically significantly accurate.
- **Confido Deductions Page Redesign:** Contracted work to redesign a webpage for tech startup, Confido. (2023)
 - Identified shortcomings in human-computer interaction aspects of filters, visibility, and readability.
 - Designed a new page in Figma, maintaining functionalities while improving learnability and aesthetics.
- **Adobe PDF Contract Reader:** A proof-of-concept web app built for the Adobe company, allowing users to upload PDFs and make actions based on the contents of the contracts. (2022) [LINK]
 - Partnered with Adobe clients and executed Agile Software Development techniques to design solutions.
 - Implemented a PDF reader using React, allowing users to not only be able to take action on the contents of the PDF, but also to see the connection between text and action.
 - Coupled the information in text of the PDF to API calls of Google Calendar and Stripe payment via React to allow users to proceed from PDF information.

HONORS AND AWARDS

Gilman Scholar (2023), Bloomington-Normal Scholar Athlete of the Year (2019), National Merit Scholar (2019), Doubles Tennis High School State Champion, Illinois (2019).