Thomas Moh

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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: N/A — *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 which alerted developers of possible new bugs, and allowed developers to track bugs, save runtimes, and visualize underlying SQL queries.
  - Improved data analytics pipeline to increase efficiency and performance with SQL optimization techniques, including Aggregate Awareness and Data Persistence.
  - Expanded the "Insights" page for Cured customers by bringing in new, relevant data and by redesigning graphs to be more understandable.
  - Incorporated a new SMS Insights dashboard, using LookML and SQL, to give customers feedback on the efficacy of their 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 the test suite to the 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 using the Cypress framework to create robust tests through presentations, user guides, and documentation.

OTHER PROJECTS

- **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]
  * 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 using basic React techniques to allow users to proceed from PDF information.
  * Organized and took part in following Agile Software Development technique.

- **Ecuador Project Lead, Paja Colarada Pipeline Project:** The Paja Colarada Project Pipeline is currently in the process of building water infrastructure for a village in Ecuador. (2020-2022)
  * Composed grant proposals with estimates, summaries, and persuasive essays to fund the water pipeline construction through Engineering Without Borders (EWB).
  * Collaborated with EWB engineers to plan an assessment trip of the community and to research implementations of the pipeline given geographic, financial, and social challenges.

- **Lighting and Graphics Experimentation:** A 3D world with movement and accurate light source and reflection depicted, using both Gouraud and Phong methods in JavaScript. (2022)[LINK]

HONORS AND AWARDS

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