SINA KIAMEHR

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SUMMARY

Harvard-educated researcher and analyst with strong experience in data-driven problem solving, scientific research, and technical analysis. Recently completed multiple web development certifications including Responsive Web Design, JavaScript Algorithms, Front-End Libraries, and Data Visualization from FreeCodeCamp. Proven ability to work across technical and business teams to extract insights, visualize complex data, and build user-focused applications. Skilled in Python, JavaScript, SQL, React, and D3.js.

TECHNICAL SKILLS

Languages: JavaScript, Python, SQL, HTML5, CSS3
Libraries/Frameworks: React, D3.js, Bootstrap
Tools: Git, GitHub, Tableau, ImageJ, GraphPad, Adobe Illustrator, LC-MS, HPLC
Certifications:

- FreeCodeCamp – Responsive Web Design Certification
- FreeCodeCamp – JavaScript Algorithms and Data Structures
- FreeCodeCamp – Front End Development Libraries
- FreeCodeCamp – Data Visualization

EDUCATION

Harvard University — B.S. in Chemistry and Physical Biology; Secondary in Computer Science
2018 – 2022

PROFESSIONAL EXPERIENCE

Clarivate Analytics – *Associate, Market Access Pricing & Reimbursement*
2022 – 2023

- Conducted primary and secondary research initiatives for top pharmaceutical clients including Novartis and Johnson & Johnson.
- Built and analyzed complex datasets using Python and SQL to develop evidence-based strategies across therapeutic areas including oncology, rare diseases, and mental health.
- Synthesized research into actionable business insights for pharmaceutical market access, service evaluations, and payer-provider landscape assessments.
- Managed cross-functional coordination with clients, vendors, and internal teams to ensure project alignment.
- Developed detailed PowerPoint reports and dashboards communicating findings to stakeholders.

Key Projects:

- Novartis Oncology: Led secondary research for a comprehensive breast cancer market access assessment. Presented strategic recommendations to support launch of a new department.
- Johnson & Johnson: Directed research for value proposition optimization of multiple myeloma stem cell therapy. Ran advisory boards and contributed insights supporting label expansion.
- Mental Health in LATAM: Analyzed over 1,000 assets for investment prioritization. Created a custom scoring model and highlighted the top 20 therapeutics.
- DARPA Genetics Research: Built a scoring model for 1,000+ genetic markers; delivered a top-20 gene shortlist for advanced research use.
- Rare Disease – Myasthenia Gravis: Reviewed 100 years of literature, identified key demographic trends, and built a dynamic dashboard for client reporting.

Harvard Department of Chemistry and Chemical Biology – *Research Assistant*
2020 – 2022

- Designed and executed experiments exploring microbiome and xenobiotic interactions, focusing on metabolism of catechols (e.g. dopamine).
- Handled and analyzed over 300 biological samples weekly (human and animal feces, bacterial cultures).
- Delivered multiple scientific presentations and contributed to peer-reviewed publications.

- Operated advanced laboratory equipment including NMRs, HPLC, LC-MS, and employed complex culturing techniques.

USC School of Pharmacy – *Research Assistant*
2016 – 2018

- Participated in a cross-disciplinary study exploring the microbiome's influence on alcohol consumption using in vivo mouse models.
- Designed and maintained experiments, recorded weekly data on over 100 mice including vitals, consumption, and behavior.
- Conducted dissections and performed immunohistochemistry (IHC) on tissues.
- Quantified data using ImageJ, GraphPad, and Adobe tools, and delivered findings in symposium presentations and internal meetings.

SHADOWING EXPERIENCE

Sharim MD Inc. – *Medical Intern*
2020

- Shadowed Dr. Homayoun Sharim in internal medicine and cardiology.
- Observed and participated in procedures including venous ablation and ultrasound-guided sclerotherapy.
- Drafted patient progress notes, pre-op clearances, and medical supply orders.

Caspian Medical Clinic – *Clinical Shadowing*
2020

- Shadowed Dr. Max Ghannadi; gained hands-on experience in patient interaction and diagnostic processes.

FELLOWSHIPS & HONORS

- Microbial Sciences Initiative Fellowship (2019) – One of five awardees for interdisciplinary microbial research.
- Harvard College Research Program Fellow (Spring 2019, Summer 2019) – Funded independent research initiatives.

PUBLICATIONS

- Minwoo Bae et al. (Co-author). *Metatranscriptomics-guided discovery and characterization of a polyphenol-metabolizing gut microbial enzyme.* 2024.
- Sina Kiamehr. *Characterization of Microbial Hydrocaffeic Acid Dehydroxylase from Gordonibacter pamelaeae.* Bachelor's Thesis, Harvard College. 2022.
- Chip Le et al. (Co-author). *Emerging Chemical Diversity and Potential Applications of Enzymes in the DMSO Reductase Superfamily.* 2022.
- Sina Kiamehr. *Exploring Catechol Dehydroxylation in Microbes by Characterizing Hydrocaffeic Acid Dehydroxylase from Gordonibacter pamelaeae.* 2022.
- Vayu Maini Rekdal et al. (Co-author). *A widely distributed metalloenzyme class enables gut microbial metabolism of host- and diet-derived catechols. eLife Sciences*, 2019.