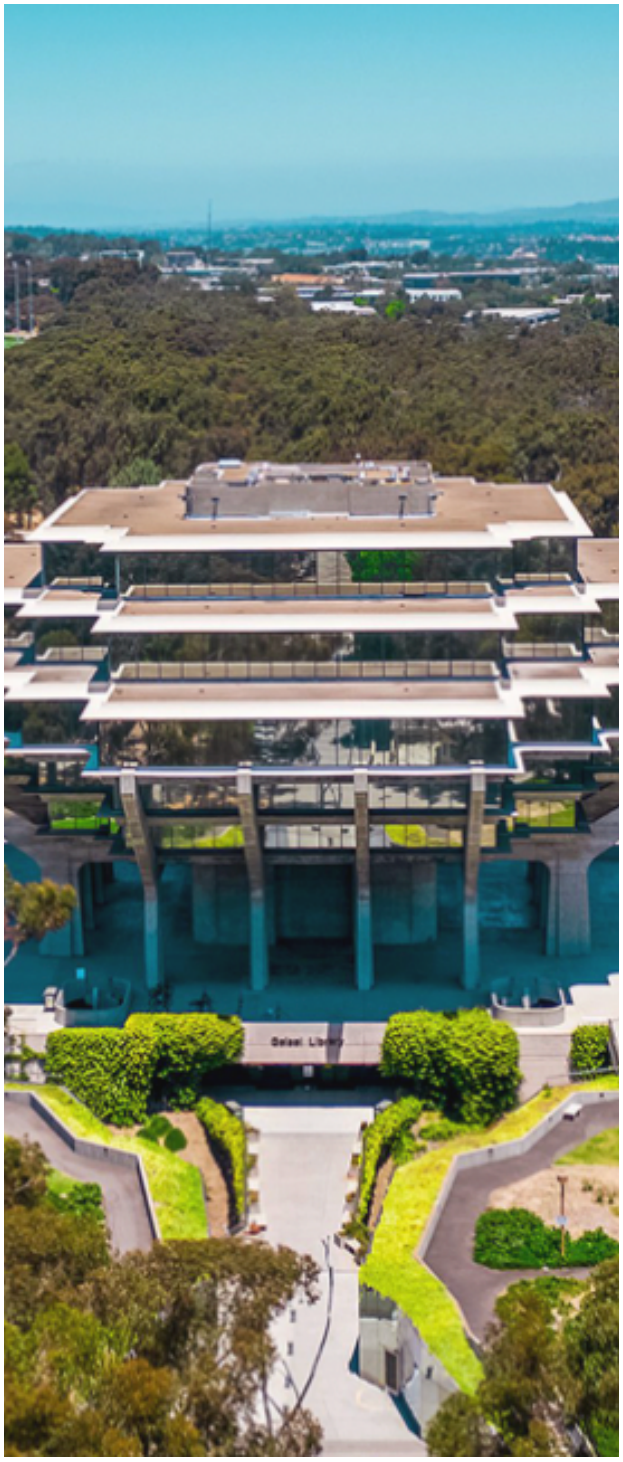
BIOKIND ANALYTICS @ UC SAN DIEGO IMPACT REPORT

2023

OUR MISSION

Biokind Analytics



PURPOSE

Corporations use advanced statistical models to boost profits all the time. Our mission is to provide the same opportunity for social non-profit organizations, who may not have the technical expertise and resources necessary for a dedicated analytics team, to boost their reach, operational efficiency, and impact, to ***channel the power of data in the service of healthcare.***

While allowing Tritons to ***positively apply*** their learning to their own community in impactful, real-world scenarios. Connecting students and client organizations, including but not limited to ***data science projects, engagement events, networking, and career development opportunities***.

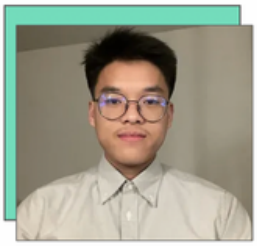
MK PROJECT #1

THE PROJECT

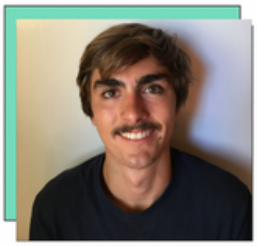
Mama's Kitchen's goal is to provide **medically-tailored meals for San Diegans in need**. By centering their values on the ideals of accessibility and equity, MK seeks to **target and uplift low-income individuals battling cancer**.
The MK Team analyzed program datasets to discover actionable insights related to the history, demographic, service demand, and geographic distribution of clients.

TEAM MEMBERS

Phu Dang
2025
Demographic Analysis



Lucien Chen
2025
Time-Series Analysis



Hunter Brownell
2024
Demand Analysis

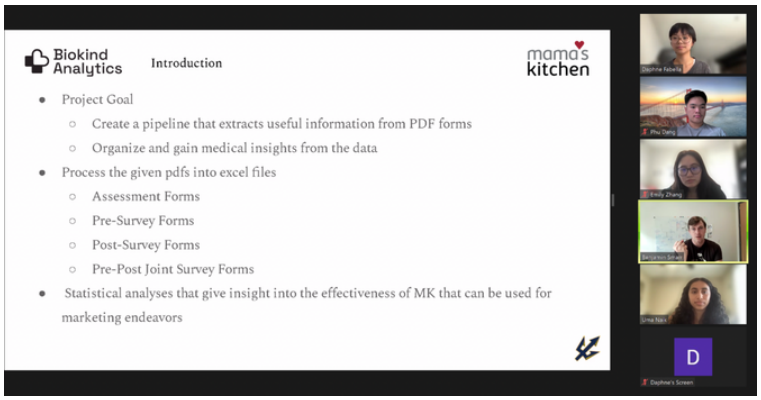
Tauhid Noor
2024
Time-Series Analysis

Kevin Chen
2024
Demographic Analysis

MK PROJECT #2

THE PROJECT

After Biokind's success with our first Mama's Kitchen project, we collaborated on another project to help MK create a **pipeline that extracts useful information from client PDF forms.** The team's goal was to **reorganize and acquire medical insights from given data.** They also performed statistical analysis for MK to use in marketing endeavors by quantifying the health benefits achieved from MK's services.



TEAM MEMBERS

Tauhid Noor
2024
Assessment Forms

Emily Zhang
2024
Assessment Forms

Uma Naik
2025
Survey Forms

Daphne Fabella
2024
Survey Forms

MAMA'S KITCHEN

Testimonial

"We are very grateful for the opportunity to work with BioKind. The project provided interesting insight into our audience and program participants. They provided recommendations that we will be incorporating into out outreach strategy."

Chris Nolan,

CHIEF PROGRAMS OFFICER AT MAMA'S KITCHEN

OUR IMPACT

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CUREBOUND

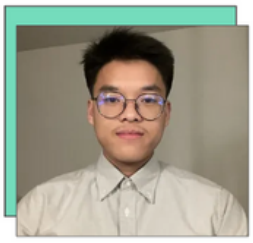
THE PROJECT

Curebound is a non-profit with the mission of **accelerating cancer research into cures** by providing funding for leading-edge research teams and institutions across San Diego. We are deeply inspired by Curebound's **emphasis on impact, community engagement, and story-telling**, which shaped our team's mission to discover insights related to health equity and policy, clinical trials, peer-reviewed publications, and over $100 million of return on investment.

INSTITUTIONAL RESEARCH PARTNERS

TEAM MEMBERS

Phu Dang
2025
Dashboard Development



Lucien Chen
2025
Health Equity Analysis

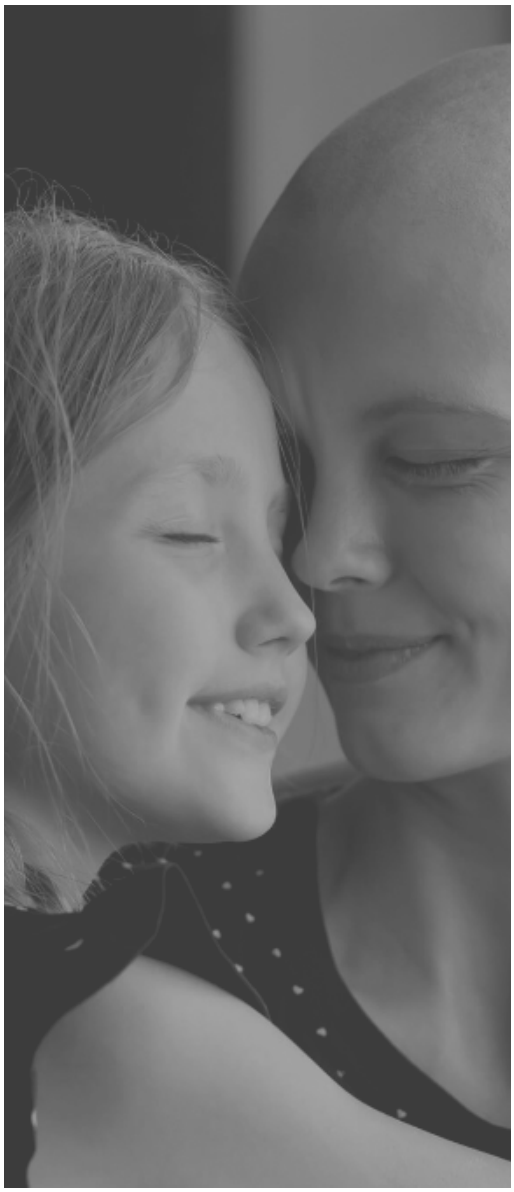
Tiana Tran
2025
Health Equity Analysis

Diane Dinh
2025
Dashboard Development

Daphne Fabella
2024
Pedal ROI Analysis

CUREBOUND

Testimonial



"Biokind Analytics collaborated with Curebound, a San Diego-based nonprofit investing in cancer research, to perform an extensive retrospective analysis of previously funded projects. Biokind proved to be an excellent partner, demonstrating timeliness, resourcefulness, and an inquisitive approach. Their efforts resulted in a detailed and outstanding report that Curebound now utilizes in marketing materials and donor discussions."

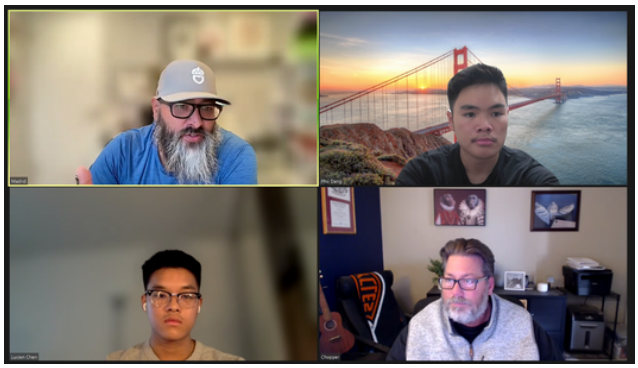
Rahul Saripalli,

RESEARCH AND OPERATIONS ASSOCIATE AT CUREBOUND

OUR IMPACT

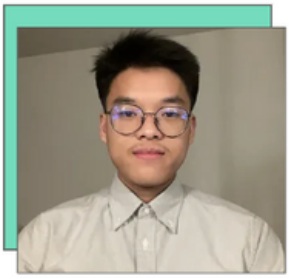
THE PROJECT

OAK's mission is to provide **resources and support for kids battling cancer and their siblings**. As a small-scale non-profit with limited human resource and technical support, our partnership epitomizes the **Biokind mission to empower small nonprofits in the service of healthcare.**
Our team analyzed camp datasets, including demographic, geographic, medication data, and identified ways for OAK to improve data collection and storage practices and processes.



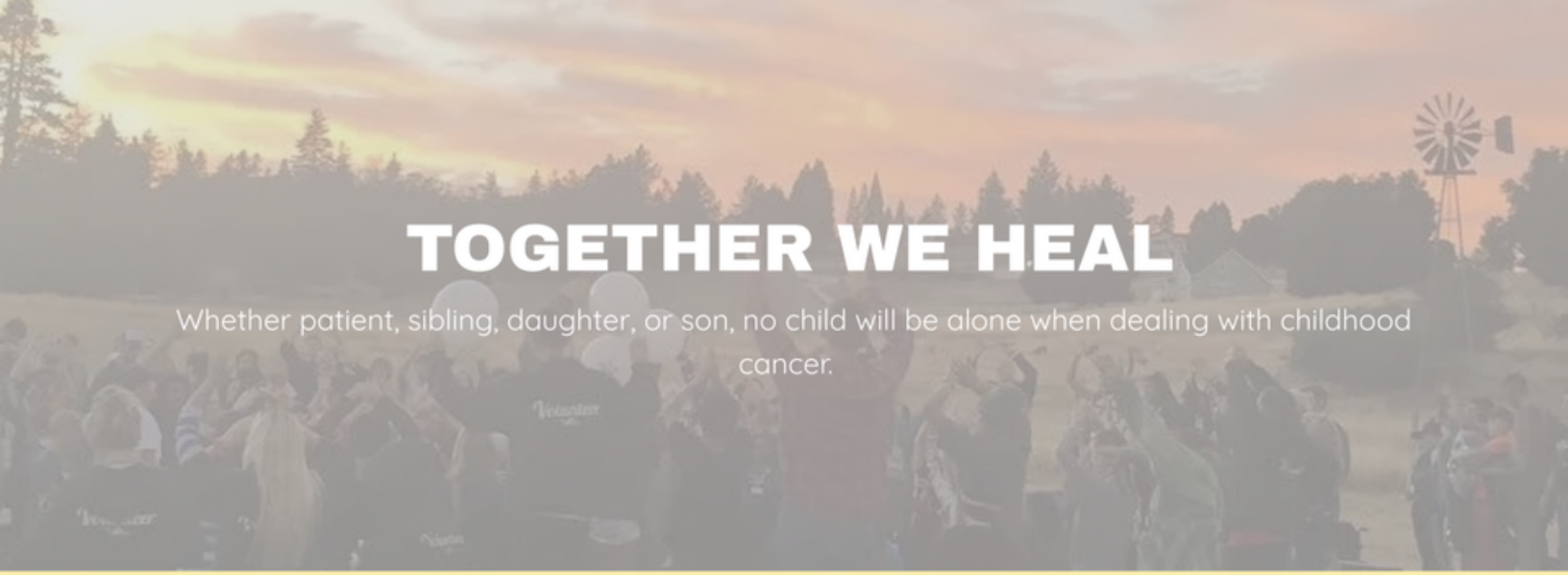
TEAM MEMBERS

Phu Dang
2025
Volunteer
and Systems
Analysis



Lucien Chen
2025
Volunteer
and Donor
Analysis

Tyler Horvath
2023
Medication
Analysis



OAK Remarks

"As a small non-profit without a dedicated analytics team, we are highly appreciative of this opportunity to utilize the technical expertise at Biokind. The project deliverables gave us insights to improve communication with pharmaceutical companies and further ourselves as a data-driven organization." -Final report meeting

Bernard Mauricia,

CHIEF EXECUTIVE OFFICER AT ONCOLOGY AND KIDS

Brian Bonert,

CAMP ADVISORY CHAIR AT ONCOLOGY AND KIDS

ACKNOWLEDGEMENTS

Project Advisors

Dr. Benjamin Smarr,

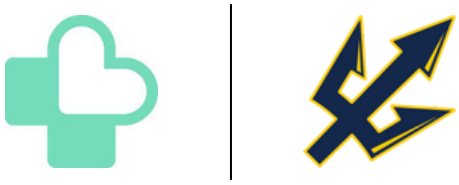
ASSISTANT PROFESSOR AT UC SAN DIEGO
- DATA SCIENCE
- BIOENGINEERING

BIOKIND **COMMUNITY MENTOR** & ADVISOR

Dr. Niema Moshiri,

ASSOCIATE TEACHING PROFESSOR
AT UC SAN DIEGO
- COMPUTER SCIENCE & ENGINEERING
- BIOINFORMATICS & SYSTEMS BIOLOGY
- BIOMEDICAL INFORMATICS

BIOKIND ADVISOR

ALONG WITH BIOKIND AT RICE UNIVERSITY,
PROFESSOR BRADLEY VOYTEK,
AND PROFESSOR SURAJ RAMPURE

We are beyond thankful for the time and help from our project advisors to improve our project deliverables and presentations!