

Konrad Kopko

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TECHNICAL SKILLS

- **Proficient:** Python, Pytorch, Javascript (ES6+), Typescript, React (Hooks, Router), Redux, Node.js, Express, Relational Databases, Non-relational Databases (MongoDB), GraphQL, Bcrypt, Git, REST, Websockets, Alteryx, SQL,

EDUCATION

Masters of Science: Information Systems and Applied Information Science, Cornell University Relevant Coursework: ML Engineering, Practical Applications in Machine Learning, AI for Healthcare, Deep Learning, Algorithms for Applications	May 2026
Bachelor's: Statistics and Quantitative Modeling, Baruch College	May 2019

WORK EXPERIENCE

Axiom Health Analytics Engineer NYC	May 2025 - Current
<ul style="list-style-type: none">Designed and executed audience sizing analyses leveraging ICD-10, HCPC, and NDC medical coding to support healthcare marketing and research initiatives. Part of one of the highest performing teams, 46.2% YTD revenue growth in 2025Partnered with the Data Science team to refine predictive models, optimizing for the highest Audience Quality Index (AQI) across campaigns, helped refine and develop the pre-AQI calculation model resulting in near-instant calculations of predicted AQI, which usually took daysDeveloped optimized SQL queries (Snowflake and proprietary in-house tools to process, segment, and validate millions of healthcare records	
Mantra Health Software Engineer NYC	Nov 2021 - Jan 2024
<ul style="list-style-type: none">Built and maintained a fullstack health-tech platform (Node.js, TypeScript, React, GraphQL, AWS, Aptible Postgres, TypeORM) connecting college students with licensed mental health providersJoined as the 13th team member, contributing to engineering and product growth as the company scaled to 50+ employees, serving 110 campuses and 800K+ studentsSpearheaded the React Native mobile app migration, ensuring deep-link functionality and page integrity; successfully launched on App Store and Google Play (5/5 rating, 300+ downloads within first 2 months)Implemented security and compliance measures for HIPAA-protected data, mitigating high-risk vulnerabilities	
HSBC Financial Analyst NYC	Aug 2019 - Aug 2021
<ul style="list-style-type: none">Developed a Node.js/Puppeteer-based script to parse through company financial data, bypassing the need for user-based inputs, negating user error, previously, there would have to be a dedicated analyst to spend a few hours of their day going through documentsHarnessed SQL-based data analysis software to iterate over company data, enriching as well as joining it with other data from company systems to output a user-readable formatUsed SQL to query company data hosted on GCP's BigQuery, and provide updated and enriched financial information. Tracked over 2,000 active company clients and provided monthly updates on each one for the rest of the bank, using VBA, Excel, and other internal databases	

PORTFOLIO HIGHLIGHTS (Full portfolio on website)

Mental Health Prediction Model https://paml-mental-health-project.streamlit.app https://github.com/konradkop/paml-mental-health-project	2025
<i>Logistic Regression, Linear Regression, and Support Vector Machines (SVM) models for prediction</i>	
<ul style="list-style-type: none">Collaborated with a 5-member interdisciplinary team to conduct model comparison and hyperparameter tuning to optimize performance across multiple evaluation metrics (Accuracy, MAE, R²). achieving 82% test accuracy with Logistic Regression.Deployed a Streamlit web application with both frontend and backend (ML models + recommendation engine) for maintainability and scalability	
Swell Open Source Developer https://www.getswell.io/ https://github.com/open-source-labs/Swell	2021
<i>API development tool for endpoint testing</i>	
<ul style="list-style-type: none">Contributed to an electron-based desktop application using Node and React/Redux, to allow users to send client-side requests using REST, GraphQL, WebSocket, and WebRTC for endpoint testing.Created binary data testing for WebSocket protocol, enabling users to send blobs such as images, as well as export logs, create Chai assertions with Mocha on their requests, and create a custom WebSocket development server for testing React/Redux	

VOLUNTEER

Americorps Sun River Health NYC	May 2024 - Dec 2024
<i>Volunteer in a community health center</i>	
<ul style="list-style-type: none">Worked directly with physicians and nurses within the American healthcare system, particularly in Medication-Assisted Treatment (MAT) for Opioid Addiction patients.Validated data integrity of patient charts, managed food distribution and coordinated outreach efforts for traditionally underserved communities data analysis included generating heat maps, patient data examination, and interacting firsthand with health providers	

OTHER

Public Talk- "What is GraphQL?" - <i>Build with Code</i>	2021
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English - fluent | Polish - fluent | I love reading. Currently reading "A boy and his dog at the end of the world"