

# Daniel Mathieson

📞 (412) 508-9696

@ danny.mathieson233@gmail.com

🔗 <https://github.com/dm4th>

🔗 <https://www.linkedin.com/in/daniel-mathieson-572b7958/>

📍 San Francisco, CA

🌟 [www.danielmathieson.com](http://www.danielmathieson.com)



## EXPERIENCE

### Senior Director, Data Science & Analytics

#### Action Network

📅 02/2021 - 10/2022 📍 Remote

Sports Gambling Media & Analytics

- Transformed organizational focus from MAU to revenue, driving over 70% YoY growth in top-line revenue
- Developed unique KPIs for measuring audience quality, driving a 22% YoY increase in app revenue / user, and a 4%+ YoY increase on web
- Managed a team of four to six analysts responsible for developing end-to-end analytics and data science solutions across the business
- Built and scaled our affiliate reporting data pipeline utilizing Airflow, Python, SQL, and Tableau to consolidate revenue reported by dozens of affiliate partners
- Created and presented to group executives a 3- and 5-year LRP on a state/month level using PCA & Linear Regression, leading to a revamp of the company's business model (from subscription to affiliate)

### Revenue Analyst - G-Suite Finance

#### Google

📅 01/2020 - 02/2021 📍 Sunnyvale, CA

Cloud-Based productivity suite helping businesses collaborate

- Developed and maintained KPI dashboards & P&L statements for enterprise sales, SMB sales, and product leaders with Google tools
- Utilized internal SQL, scripting, and machine learning tools to improve revenue prediction accuracy by 7%

### Manager, Revenue & Forecasting

#### FanDuel

📅 08/2016 - 12/2019 📍 New York, NY

Leading daily fantasy sports and online sports betting company

- Implemented an internal reporting system utilizing Python and SQL with custom I/O operations in Chartio and a Slack bot, reducing daily report time by 2-3 hours
- Developed a 3-month SQL course for over 20 team members, promoting data literacy and enhancing the company's analytical capabilities
- Created a Markov-Chain based forecasting system for user LTV, forecasting revenue of 12 different user-groups to within 2%

## PROJECTS

### Personal Website

📅 04/2023 - 05/2023

🔗 <http://www.danielmathieson.com>

Virtual Assistant built using Large Language Models

- Frontend:** NextJS, React, JavaScript, TypeScript, Vercel
- Backend:** Supabase (Storage, Edge Functions, Database), Deno, LangChain, OpenAI APIs (Chat, Embedding, Moderation), Contentful

### DocWow

📅 06/2023 - 07/2023

🔗 <https://main.d1v3r3l45ocapu.amplifyapp.com/>

Intelligent Scanned PDF Reader w/ Chat Interface

- Frontend:** NextJS, React, JavaScript, TypeScript, AWS Amplify, React-PDF
- Document Processing:** AWS (Textract, Lambda Functions, API Gateway, Step Functions), Supabase (Edge Functions, Database), OpenAI API (Embeddings, LLM)
- Chat Backend:** Supabase (Edge Functions, Database, Similarity Computations), OpenAI APIs (Moderation, Embedding, LLM), LangChain

## SKILLS

### Analytics & BI Engineering

Python SQL JavaScript

REST API Apache Airflow

Google Apps Script DBT

AWS Redshift AWS S3 GitHub

GCP AWS EC2 BigQuery

Tableau Looker

### Software Engineering & Generative AI

React NextJS HTML/CSS

TypeScript OpenAI API AWS

GCP LangChain Node.js

### Machine Learning & Artificial Intelligence

TensorFlow Keras PyTorch

### Data Analytics & Finance

SciKit Learn Pandas NumPy

IPython Matplotlib Sheets

Excel

## EDUCATION

### B.S. Computer Engineering

#### Bucknell University

📅 08/2012 - 05/2016

### AI & Machine Learning

#### CalTech - SimpliLearn

📅 10/2022 - 04/2023

### Blockchain Development

#### Metana

📅 11/2022 - 04/2023