

EDUCATION

Wits University | Johannesburg, South Africa. | B.Sc. Honors, graduated Cum Laude. Majors: Physics, Pure Mathematics, Applied Mathematics

Developer's Institute | Tel Aviv, Israel. Full Stack Development Bootcamp, June 2021

Technical Skills: Python (Advanced), SQL(Advanced), Javascript(Basic)

GITHUB:<https://github.com/RodneyFinkel>

- **Machine Learning, NLP, AI engineering, Mathematical Modelling, Data Apps**
- Pandas, Matplotlib, Plotly, Seaborn, Tensorflow, Sklearn, Scipy, Transformers, Statsmodels, SciPy, BeautifulSoup Asynchronous, Concurrent and MultiThreading Libraries, Langchain, Deepgram, Websockets, PaddleOCR, NLTK, ChatGroq

GITHUB: [Stock screener with Technical and Sentiment Analysis and Neural Network model for stock Predictions](#)
[PCA custom class and implementations](#)
[K-Means clustering project and custom class](#)

- **Web Development Frameworks:** *Django, Flask.* Django Channels/WebSockets/Redis. API's, Postman.
- **Databases:** PostgreSQL, MySQL: Data manipulation, ETL & ELT, subqueries, joins, stored procedures, CTE's, recursive CTE's, Self Joins
- **Frontend:** Javascript, Html, Css, Bootstrap, TailwindCSS, Streamlit, PowerBI, Tableau
- **Basic Devops and Deployment:** Github, Docker, Heroku, Ngrok

PROFESSIONAL EXPERIENCE

Ross Digital/FundsTrace: AI automation for Regulatory Compliance & Research. Jan 2024 - June 2024

- Built RAG systems for 'subject matter expert' AI agents - [STT-LLM-TTS Transcriber/RAG Ai agent](#)
- Built OCR app employing local LLMs - [OCR Image-Processor](#)
- Performed regulatory compliance and implementation for fund recovery team

Hekmat Law Group: Freelance work. May 2023 - Sept 2023

- Built and deployed chatbots with Google DialogFlow and Node.JS webhooks for lead generation and client engagement

Deloitte: Risk Analytics, Digital Controls| Senior Specialist, Senior Consultant. May 2021 - May 2023

- Built ETL, ELT pipelines and automated SAS99 audits [sqlAlchemy and sql scripts](#), [report automation](#)
- Built ELT pipelines and performed Data Analysis for **TASE** Clearing House Audit
- Banking regulatory compliance audit ,Code Reviews, **Wells Fargo**
- Developed a CRUD app with Database for Misrad Habriut payroll documentation

FBX Business Consulting/MyChargeback: Financial Consultant. February 2019 - March 2021

- Negotiated settlements for clients against unlicensed trading firms, working within investment regulatory frameworks of various financial jurisdictions: FCA, ASIC, FMA, CNV, CYSEC, BaFIN, SFC, CMVM, CNMV
- Contributed to optimizing processes and strategies involved in clients' financial claims, leading to the development of an in-house CRM to manage recovery processes.

DSL Group Partner, COO, Brand Manager. April 2015 - Dec 2018

- As COO I oversaw all day-to-day managerial and operational details of the Jerusalem office as well as the expansion of the office to 20 employees
- Assembled call center metrics and implemented appropriate measures to improve overall efficiency
- Led business development efforts, including creating and sourcing lead pipelines and outbound marketing for US based shipping companies, as well as negotiating with and acquiring the business of 3 of the companies.

Bonim B'Yachad/Edu-Together: Educator, Jan 2013 - April 2016

- Built and taught mathematics and physics courses for advanced AP students in person and online
- Innovated for and influenced company approach to online teaching of mathematics based subjects
- Awarded Educator of the Year, 2015

LANGUAGES English(Native), Spanish (Native), Hebrew (Near Fluent), Afrikaans(Conversational)