



DANIEL YAMIN

TLDR

10 years of experience in software development and algorithms, recently expanding expertise in **data science**.

Career spanning startups to global corporations, offering **diverse tech insights**.

Strong academics: BSc in Computer Science (GPA 92), MSc in Computational Neuroscience (GPA 97), with data science-focused thesis.

STACK

Python, Java, C#, OOP, Golang, AWS, MongoDB, PostgreSQL, Azure, Snowflake, datadog, ...

ML

pandas, scikit-Learn, anomaly detection, SED, visualization,

WORK EXPERIENCE

Senior Software Engineer @ Chaos Labs

2/2024 – Present

Chaos Labs is the first automated, on-chain economic security system enabling crypto protocols to optimize risk management and capital efficiency while protecting user funds. We use world-class custom EVM simulations to understand protocol mechanics and scenario implications.

- Design, build, and maintain highly **scalable backend systems** to support real-time DeFi risk platforms.
- Collaborate with cross-functional teams to **integrate data pipelines** into decentralized systems.
- Develop efficient, **distributed systems** and troubleshoot complex performance challenges.
- Optimize infrastructure to ensure **low-latency and high availability** for critical protocol data.
- Continuously **evaluate and improve system performance** with profiling tools and analytics.
- Ensure system reliability by implementing **best practices** in testing, security, and documentation.

MSc student @ Tel-Aviv University & Data Scientist @ Sipple

2021 – 2023

[@ Yuval Nir Lab](#), I'm using data science tools to study the brain. My thesis project revolves around analyzing eye movement data through advanced signal processing, statistics, and machine learning techniques. This work aims to develop a novel no-report paradigm for studying memory and cognition, marking a significant contribution to the field. During this period, I published a paper that is currently under peer review; its preprint can be viewed here:
<https://www.biorxiv.org/content/10.1101/2024.08.14.607869v1>

[@ Sipple](#), I lead the Data Science pipeline for a sound events detection product. This entails model selection, training, and integration with the development team for effective data processing. I oversee the entire workflow – from data pre-processing and structuring to prediction storage – ensuring streamlined operation on AWS.

Software Engineer 2 @ Microsoft

2020 – 2022

I was part of [Azure Defender for IoT](#) group, building advanced security solutions to protect IoT & OT devices at a global scale on top of Azure. My team and I were responsible for detecting alerts and recommendations using IoT raw data from different sources.

One of the major features I designed and developed is Vulnerability Assessment, matching [CVEs](#) to IoT devices using a sophisticated algorithm.

classification, regression, signal processing...

OTHER INTERESTS

Problem solving, building things, neurotechnology, my kindle, coffee, beer, poker, cycling.

HIGH SCHOOL

[Ohel- Shem, Ramat- Gan,](#)

Gifted class:

I completed many Bagrut certificates ahead of time- Math, Physics, Robotics, Computer Science, Astronomy.

So, I started taking academic courses while in high school.

[Young Researchers](#)

[\(Chetz project\)](#)-

Weizmann Institute of Science.

[RoboCup-](#)

international robotics competition,

Our team won the high schools national league, so we had the honor of representing Israel in the international league, which was held in Atlanta, Georgia.

[Mathematics Tutor-](#)

[Online](#) as well as at student home

CONTACT

PHONE: 054-300-6969

EMAIL: dhyamin@gmail.com

[LinkedIn profile](#)

Java Software Engineer @ Allot

2014 – 2020

I was part of a tiger team, a startup that was acquired by Allot. The main product I was working on is called [DDoS Secure](#). A real-time network behavior anomaly detection ([NBAD](#)) and mitigation system.

Major Projects:

- Refactoring the entire product, which included designing and developing from scratch all the backend code (Ruby to Java) and parts of the database (PostgreSQL) and GUI.
- Building REST API for the [BIRD routing demon](#), to mitigate malicious traffic during a DDoS attack, using BGP protocol.
- Extending our pattern extraction algorithms to handle evolving attacks.
- Applying multiple linear regression to predict the signal's baseline while under attack, to handle long floods.

Founder & CTO @ Didact

2012 - 2014

We developed an online adaptive marketplace for video lessons, and we were accepted into the [MindCet accelerator](#).

ACADEMIA

MSc (GPA 98)

[Computational Neuroscience- The neural computation and brain-modeling program](#)

Tel- Aviv University, [Yuval Nir Lab](#)

Some of the coursework: Machine learning (100), Processing (92), Computational models in brain research (100), Brain networks and graphs (100), System neuroscience (98), Arduino for Neuroscience (100), Bioinformatics in radiology (94)

BSc (GPA 92, Graduation with Honors)

[Computer Science and Cognitive Science,](#)

The Open University of Israel.

I was accepted to the Outstanding Track, during it I attended an [outstanding seminar](#) and didn't pay for the degree.

Some of the coursework: Linear Algebra (98), Calculus 1 & 2 (100), Probability (88), Statistics (96), Data structures and introduction to algorithms (90), Algorithms (89), Computation and complexity (84), Brain and cognition (98), Computational models in the cognitive sciences (97), Outstanding seminar (95)