



DANIEL YAMIN

Software Engineer
at Microsoft

PERSONAL SKILLS

I am a broad thinker, an independent learner, team player, adaptable, and have good vibes.

INTERESTS

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

CONTACT

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[LinkedIn profile](#)

WORK EXPERIENCE

Software Engineer 2 @ Microsoft 2020 – present

I am part of [Azure Defender for IoT](#) group. My team and I are 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.

Software Engineer @ Allot 2014 – 2020

I was part of a tiger team, a startup that 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, that included designing and developing from scratch the 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 signal's baseline while under attack, in order to handle long floods.

Related Skills:

C#, Azure, Java, Spring Boot, Anomaly Detection, Applied Machine Learning, Ruby, C, APIs, JS, NMS, DPI, PostgreSQL, Linux, Git, Agile

Founder & CTO @ Didact 2012 - 2014

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

Mathematics Tutor 2012 – 2013
[Online](#) as well as at student home

EDUCATION

University

[Computer Science and Cognitive Science](#),

92, Graduation with Honors,
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 courses I took:

- Linear Algebra, 98
- Calculus 1 & 2, 100
- Probability, 88
- Statistics, 96
- Data structures and introduction to algorithms, 90
- Algorithms, 89
- Computation and complexity, 84
- Physiological Psychology, 95
- Cognitive Psychology, 92
- Brain and cognition, 98
- Computational models in the cognitive sciences, 97
- Outstanding seminar, 95

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 owe the honor to represent Israel in the international league, which was held in Atlanta, Georgia.