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|  |  | **WORK EXPERIENCE**Software Engineer 2 @ Microsoft  *2020 – present*I am part of [Azure Defender for IoT](https://azure.microsoft.com/en-us/services/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 [CVE](https://en.wikipedia.org/wiki/Common_Vulnerabilities_and_Exposures)s 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](https://www.allot.com/products-service-providers/ddos-security/). A real-time network behavior anomaly detection ([NBAD](https://en.wikipedia.org/wiki/Network_behavior_anomaly_detection)) 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](https://bird.network.cz/). 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, AgileFounder & CTO @ Didact *2012 - 2014*We developed an online adaptive marketplace for video lessons, and we were accepted into the [MindCet accelerator](https://www.mindcet.org/accelerator/).Mathematics Tutor *2012 – 2013*[Online](https://youtu.be/pHeryimaL2w) as well as at student home**EDUCATION**University[Computer Science and Cognitive Science](https://academic.openu.ac.il/CS/computer/program/E3.aspx),**92**, Graduation with Honors,The Open University of Israel.I was accepted to the Outstanding Track, during it I attended an [outstanding seminar](https://www.openu.ac.il/courses/20921.htm) 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](https://www.ohel-shem.com/portal6/index.php), Gifted class: I completed many [Bagrut certificate](https://en.wikipedia.org/wiki/Bagrut_certificate)s ahead of time- Math, Physics, Robotics, Computer Science, Astronomy. So I started taking academic courses while in high school.[Young Researchers (Chetz project)](https://davidson.weizmann.ac.il/en/programs/youngresearchers), Weizmann Institute of Science.[RoboCup](https://www.robocup.org/)- 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.  |
| Daniel YaminSoftware Engineer at MicrosoftPERSONAL SKILLSI 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**PHONE: 054-300-6969EMAIL: dhyamin@gmail.com[LinkedIn profile](https://www.linkedin.com/in/daniel-yamin) |  |