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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, Agile  Founder & 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 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** PHONE: 054-300-6969  EMAIL: [dhyamin@gmail.com](mailto:dhyamin@gmail.com)  [LinkedIn profile](https://www.linkedin.com/in/daniel-yamin) |  |