

Michael Matias

Stanford Undergraduate (CS + AI), previously ML Team Leader at 8200 Intelligence Unit

I am a science and technology enthusiast, up until recently serving in the Israeli Defense Forces (IDF) as a commanding officer in the 8200 Intelligence Unit (graduated Officers Academy 1st in class), leading a cybersecurity software development team. Founder and CEO of tech entrepreneurship ventures HackGenY and AnyMeal, I have spoken at international conferences from TEDx to DLD, and was featured in Forbes Israel '18 Under 18' and '30 Under 30'.

Passionate about exploring the intersection of technology and social challenges, I've interned with Professor Dan Ariely at Irrational Labs to research financial decision making from a behavioral economics standpoint. Trained in using advanced technology to address complex problems and experienced in scaling ideas upward, I aspire to direct my curiosity and skill-set to tackle global social problems of high impact. Currently an undergraduate student at Stanford University, with a concentration in Computer Science and Artificial Intelligence.

Experience

- 2019-08 - present** **Stanford University - Software Engineer**
Carta Research Team
- Data backend lead (responsible for a 3-person team)
 - Responsible for data pipeline (receiving data from various sources, making sense of it and aggregating to more meaningful conclusions)
 - Full-stack software engineer (Python, React, Dockers, PostgresDB)
- 2017 - 2019-08** **8200 — Commanding Officer and Team Leader**
8200 Intelligence Unit, Israeli Defense Forces
- Commanding and leading a group of 8 software developers in the 8200 Cybersecurity Intelligence Unit of the Israeli Defense Forces
 - Developing advanced, high-priority intelligence software
 - Collaborating with other commanders within the intelligence unit and across units
 - Advanced leadership training per appointment of Lt. General of IDF Intelligence Unit (0.02% of total Cybersecurity unit selected)
 - Implementing new technologies and modes of work
 - Weekly strategy group meetings with other members and Chief of Staff of 8200 (rank Colonel)
- 2015 - 2019-08** **8200 — Software Engineer**
8200 Intelligence Unit, Israeli Defense Forces
- Developing technologically-advanced military intelligence systems of high impact
 - Utilizing 'best-practices' methodologies to develop products end-to-end (from user demands to deployment feedback loop)
 - Applying machine learning techniques to tackle large-scale complex problems (software I developed has been used in critical missions with zero-tolerance policy for bugs/malfunctions)
- 2014 - 2015** **Hacking Generation Y — Founder**
- Founded first international teen hackathon at 17 to promote youth entrepreneurship and inspire high school students to enter computer science and technology
 - Partnered with 50+ organizations, including MIT, Andreessen Horowitz, Facebook and Google hackgeny.com



Personal Info

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LinkedIn

<https://www.linkedin.com/in/matiasmichael/>

Languages

English - Native

Hebrew - Native

- Organized Hackathons in Silicon Valley, Jamaica, Israel, London, Bangalore
- Hosted 2,400 global participants across hackathons
- Gave special priority to diversity (grants, recruitment initiatives)
- Brought together mentors and judges from leading tech firms

2014 -
2015

Irrational Labs: Prof. Dan Ariely — Intern

- Interned with behavioral economist and best-selling author Prof. Dan Ariely at Irrational Labs between high school and IDF
- Applied behavioral economics findings to product, marketing and organizational design problems
- Performed research with Stanford PhD students on couples' financial decision making and participated in teams consulting to various companies on implementing BE concepts into their products

2013 -
2014

AnyMeal — Co Founder and CEO

- Co-founded (at 17) the company out of MIT Launch summer program
- Led a team of 6 software developers and 40 content labelers via Upwork
- Built a mobile app that analyzes online menu items and connects with chefs to help users with dietary restrictions find safe dishes to eat
- Motivated to alleviate social restrictions on teenagers with food sensitivities (e.g. Celiac disease, Diabetes, Lactose-Intolerance, etc.)

Education

2019-09 -
2023-06

Stanford University, Computer Science (Artificial Intelligence track)

- Bachelors of Science in Computer Science with a concentration in Artificial Intelligence

2016

IDF Intelligence Officers Academy — 1st in Class of 150

- Completed 6-month rigorous training to become an officer and commander in the Intelligence unit
- Selected to receive leadership training, including focused work on harnessing team members' motivations
- Developed management skill-building to complete high-security and time-sensitive missions
- Strengthened complex problem-solving skills to complete highly sensitive tasks
- Focused on the world of Cyber and inherited challenges we face today

2015 -
2015

8200 Intelligence Unit Software Engineering Course — Finished with Distinction

- Completed with excellence a 4-month selective programming course for an elite technological unit, focusing on:
 - Programming methodologies and code design (SOLID, microservices architecture, etc.)
 - Advanced programming in Python, C#, Java, C++, Javascript, SQL, NoSQL, Elasticsearch
 - Agile methodologies for building computer software
 - Cybersecurity issues and best-practices
- Invited to specialized teacher training to instruct future courses

2014

Walworth Barbour American International School — Valedictorian

- Graduated 1st in class and received Outstanding Senior Award
- Received departmental awards for Excellence in Mathematics and Physics,

including merit-based scholarship to the Rensselaer Polytechnic Institute of Technology.

- FIRST Robotics, *Co-Founder/Captain*
 - Raised funding from school board; led engineering/mechanics team (semi-finals Israeli nationals; mentor FIRST engineers 2014-2016)
- Model United Nations, *Secretary General*
 - Chosen by the faculty to lead the school's annual international MUN conference
 - Led a 700-participant pan-Middle Eastern TIMEMUN Conference
 - Received Best Delegate Award (4x); 4 international conferences
- Varsity Tennis, *Captain*
 - Received Silver at Europe ISST 2013 HS competition; played 8 years
- Varsity Volleyball, *Athlete*
 - Received Silver at ISST 2013 competition; played 2 years
- Varsity Track, *Athlete*
- Musical Theater, *Lead roles*
 - Selected for lead role in school production of 'You Can't Take it With You'; additional roles in 'Legally Blonde' and 'Mamma Mia'
- Music, *Saxophone*
 - Took part in every band concert (self-studying music, not enrolled in class)

2014

CollegeBoard — Notable Coursework

- AP Computer Science (5), AP Calculus AB (5), AP Calculus BC (5), AP, Physics B (5), AP English Language (4), AP English Literature (4)

2013

MIT Launch Summer Entrepreneurship Program

- Participated in a selective 4-week entrepreneurship program in the summer of 2013
- Co-created tech startup Anymeal

Awards / Recognitions

2016	Forbes Israel `30 Under 30` list for future technological leaders
2016	1st in Class IDF Officers Course
2015	Distinction in IDF Engineering Course
2014	Forbes Israel `18 Under 18` list
2014	Valedictorian of the WBAIS Graduating Class
2014	Rensselaer Polytechnic Institute Scholarship Award — \$60k

Conferences / Speaking Engagements

2018	Amdocs ZED Talks "Innovation Week": "Generation Z: Uncovered" (26k audience).
2017	PODIM Conference Slovenia: " <u>Unleash the Power of Youth</u> " (Slovenian Prime Minister attendance)
2015	TEDxGunnHS: " <u>Why Every Teen Should Run a Startup</u> "
2013	Tel Aviv University's Yuval Ne'eman Workshop for Science Technology and Security: " <u>Robotics: Toy or Weapon?</u> "
2012	140Conf NY: "Hi-Tech Teenagers"
2011	DLDwomen Munich: "Education Beyond Institutions"

Courses

- 2019-09 - present CS106B: Programming Abstractions in C++
- 2019-09 - present CS106L: Standard C++ Programming Laboratory
- 2019-09 - present CS522: Seminar in Artificial Intelligence in Healthcare
- 2019-09 - present CS007: Personal Finance for Engineers
- 2019-09 - present ECON5: Frontiers in Economic Research and Policy
- 2019-09 - present THINK51: The Spirit of Democracy
- 2019-09 - present WELLNESS 117: Behavior Change: Building A Better You

Selected Press

- [Forbes 30 Under 30](#) (Hebrew)
- [Forbes 18 Under 18](#) (Hebrew)
- [Times of Israel](#)
- [Globes](#) (Hebrew)
- [Israel21c](#)
- [JWeekly](#)
- [Jerusalem Post](#)

Hobbies

Running (2017 Eilat Desert Marathon finisher), Saxophone, Cooking, Tennis, Reading, Chess, Barbershop Quartet