

Németh István

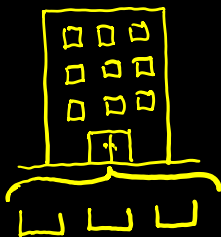
Rektorhelyettes, Eötvös Loránd Tudományegyetem

Egyedi Tömegtermelés az Oktatásban

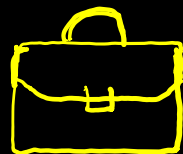


NEW JOBS

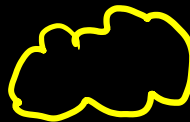
- Content-based marketer
- Sustainability officers
- Data visualisation designer
- App developer
- Autonomous vehicle technician
- Cyber security professional
- Blockchain developer
- UAV operator
- Solar technicians
- Test & tag technician
- Digital records manager
- Blogger
- Big data analyst
- Social media marketer
- Medical nanotechnologist
- UX manager
- Robotics technician
- Virtual reality engineer



Stabilus
Kiszámítható
Lelőke



Mobilitás



Dinamikus
Virtuális
Nemzetközi

...a legújabb ipari forradalom arról szól, hogy a termelést végző okosrobotok integrálásra kerülnek az őket kiszolgáló és az általuk kiszolgált gazdasági folyamatokkal egy hatalmas intelligens információs rendszerbe a termelés hatékonyságának maximalizálására...

OKTATÁS 3.0

!!!

OKTATÁS 4.0

???

Gen X
1965-79
40-54

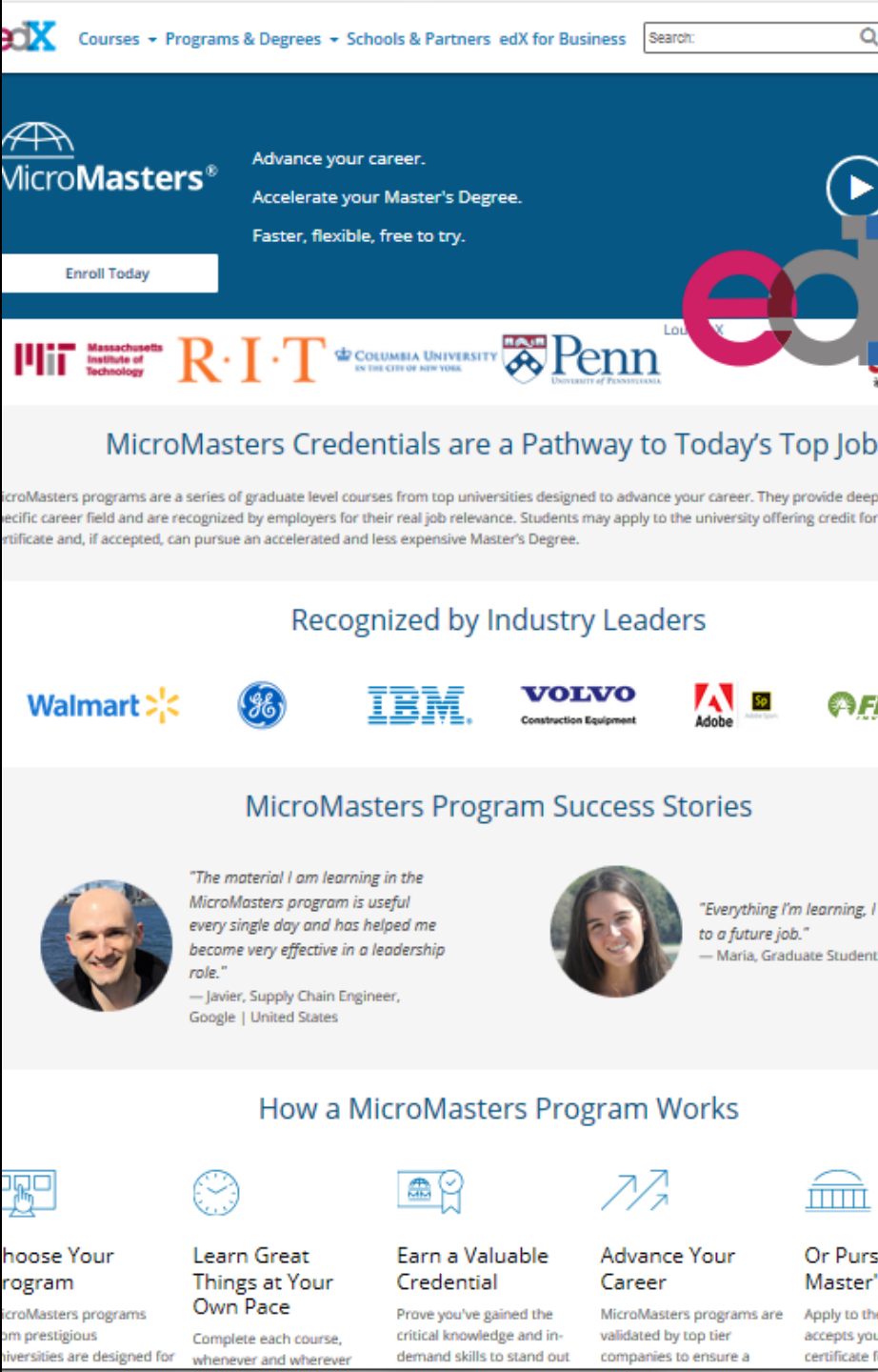
Gen Y
1980-94
25-39

Gen Z
1995-2009
10-24

Gen α
2010-
0-9

Timeline of technological milestones:

- 1997: Google.com domain registered
- 1998: Portable MP3 players
- 1999: USB flash drives
- 2000: Nokia 3310
- 2001: Wikipedia
- 2002: Myspace
- 2003: Skype
- 2004: YouTube
- 2005: Facebook opens to the public
- 2006: Twitter
- 2007: Dropbox
- 2008: Apple TV, iPhone
- 2009: Whatsapp
- 2010: iPad
- 2011: Instagram
- 2012: 1,000,000,000 1 billion active Facebook users, FaceTime, Siri
- 2013: GoPro HERO3
- 2014: 3D printers, Google glass
- 2015: Apple watch
- 2016: Tesla Powerwall
- 2017: Fidget spinner



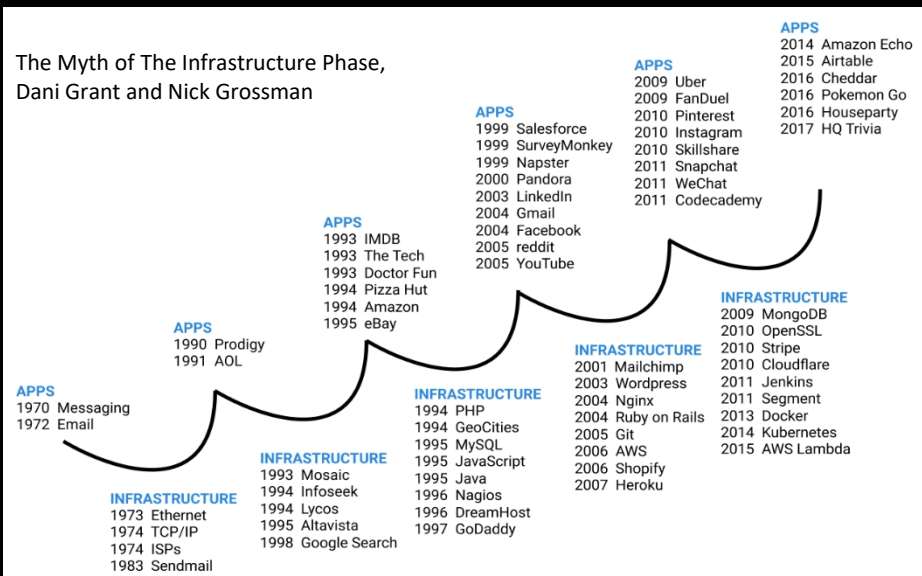
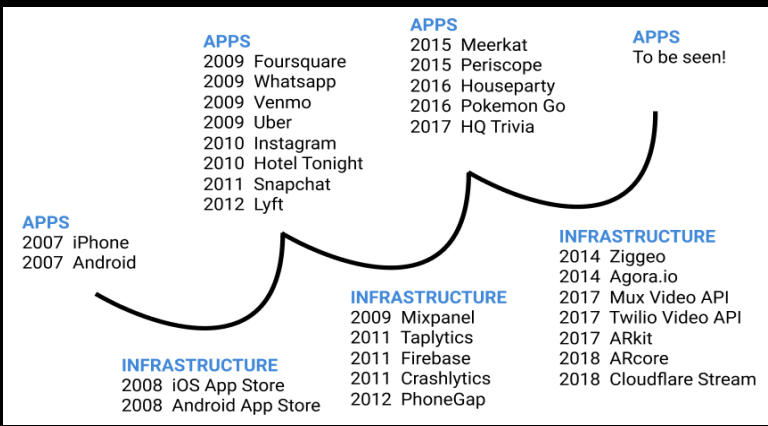
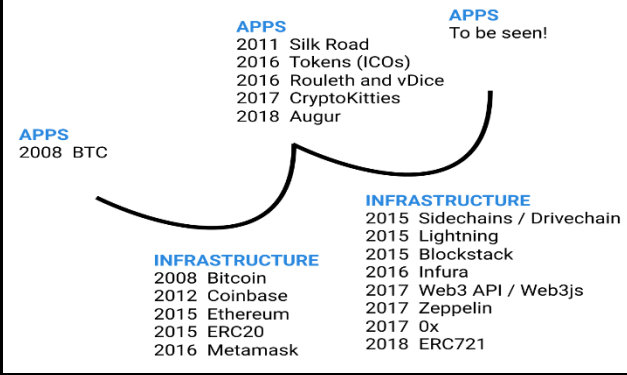
Transforming Education

MicroMasters programs are a series of online graduate level courses launched by edX that one can take to develop standalone skills for career advancement or earn graduate level credentials from its respective universities, equivalent to a semester of a full master's degree. It was designed to be the bridge between a bachelor's degree and a master's degree, allowing employees to continue advancing their education without affecting their employment and personal commitments.

First launched in September 2016 with 19 MicroMasters programs as an extension of its MOOC, edX eventually expanded to include 17 additional programs in February 2017. As of September 2018, 50 different MicroMasters programs are being offered. **Each MicroMasters program is sponsored by at least one industry partner, including GE, Microsoft, IBM, Hootsuite, Fidelity, Bloomberg, Walmart, PWC, Booz-Allen Hamilton, and Ford.** These programs are designed to bridge the gap between job candidates with a bachelor's degree and companies that want employees with an advanced degree by offering credentials that are equivalent to 25 to 50 percent of a master's degree or 20 to 30 ECTS in Europe.

Unlike other existing microcredentials, the MicroMasters programs offer both the benefit of gaining relevant skills in a particular field that can support career development and a pathway to advanced credits in the respective universities offering the course. **This includes many of the top universities in the world such as MIT, Columbia University, Delft University of Technology, and Indian Institute of Management.**

Apps and infrastructure evolve in cycles



Higher education by tradition exists as a network of prestigious institutions for the creation and dispersion of knowledge and their basic “apps” are the various academic degree programs they offer. So, we are in the same business as the not so prestigious World Wide Web...

But what “app” can change the cycle?

The birth of **blockchain** spawned a movement which is set to disrupt the entire tech industry. Blockchain and crypto enthusiasts are calling it the Web 3.0 and it's **looking to make all traditional business models defunct**. This is because, in short, **the technology will facilitate the decentralization of the World Wide Web.**

WEB 2.0 → WEB 3.0 CO WELCOME INTERNET

Technical

- PROTOCOLS: essentia.one, etherbase, AICON, NEO, BLOCKSTACK, zilliqa, waves, EOS, LISK, ethereum, NEXUS, BYTOM, CARDANO, BITCOIN
- DDOS: CLOUDFLARE, Gladius
- AI: ZSC, PECULIUM, Singularity Net, BOTROS
- PLATFORMS: LIQUID, DRAGONWHO, ardor, Ethos, POLYMATH, Achain, zencash, NXT FOUNDATION
- LAYERS: RSK, Lightning Network, TrueBit, RAIDEN, ETH, BITCOIN
- VPN: AirVPN, SENTINEL, ExpressVPN, NordVPN, PRIVATIX, NORDVPN, NGARION NETWORK
- FILE STORAGE: DROPBOX, Filecoin, tressorit, IIFS, sio, Cloud, SAFE Network, amazon, STOKIT, sync.com, MaidSafe, OneDrive, swarm.city
- COMPUTATION: Microsoft, elastic, golem, infinity, SONM, celf, iExec, IBM, enigma, dadi

Financial

- CURRENCIES: bitcoin, omise, ethereum, MONERO, BITSEND, DOGECOIN, ELECTRONUM, CRYPTOCURRENCY EXCHANGE, EOSFINEXA, EtherDelta, CODEX, RADAR, Bancor, Loopring, BITFINEX, OKEX, GDAX, POLONIEX, HUBTC, bithumb, UPbit, DIGITAL PAYMENT, PayPal, Braintree, CIRCLE, stripe, FUNDS & INVESTMENTS, moneyfarm, E*TRADE, Fidelity, CARD PROVIDER, NANO, UTRUST, HUMANIQ, ripple, RISE, EROSCOIN, interledger, BLOCKCHAIN, INCONOMI, moneyfarm, BANCIFUTURE, Fidelity, NUMERA1
- BANKING: Bank of Internet USA, BANKERA, RADIUS BANK, casha, AURORA, mgeda, ASSTRATION
- WALLETS: change, JAXX, pillar, period, BITCOIN, MONERO, DOGECOIN, ELECTRONUM, CRYPTOCURRENCY EXCHANGE, EOSFINEXA, EtherDelta, CODEX, RADAR, Bancor, Loopring, BITFINEX, OKEX, GDAX, POLONIEX, HUBTC, bithumb, UPbit, DIGITAL PAYMENT, PayPal, Braintree, CIRCLE, stripe, FUNDS & INVESTMENTS, moneyfarm, E*TRADE, Fidelity, CARD PROVIDER, NANO, UTRUST, HUMANIQ, ripple, RISE, EROSCOIN, interledger, BLOCKCHAIN, INCONOMI, moneyfarm, BANCIFUTURE, Fidelity, NUMERA1
- LENDING: DailyFi, bloom, FIRST INTERNET BANK, ripo, S & L T, lendingtree, ETHlend, Bank of Internet USA, celcius
- ACCOUNTING: FreshBooks, hive, Yendo, PayPie, Kashoo, Splitcoin, Xpenditure
- INSURANCE: Lemonade, ai gang, 众安保险, ChainTech, INSUREX
- PREDICTION MARKETS: Winkon, augur, hypermind, INDICATOR, PredictIt, STOX, ALPHABEST, GNOSIS, Smarkets, DELPHY
- TRADING: Lykke, EVEREXPAY, POPULOUS, COINDASH, LIQUIFY, trade.io, santiment, EtherListen

Front-projection interactive whiteboard with Ultra-Short-Throw (UST) video projector.

eBeam Edge+ brings interactivity to any surface, quickly transforming your classroom or meeting room into a dynamic and fully interactive environment. Stream anything you write or draw on your whiteboard or surface with regular dry-erase markers.



eBeam Edge+ Complete



Wireless presentation system

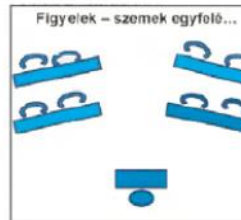
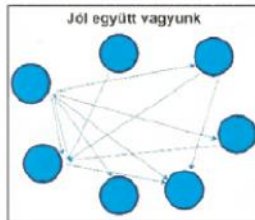
Meeting attendees can share what's on their device's screen up to the main display. They can share their screen, share documents, and make two-way annotations, facilitating feedback and ideas. You don't need to be in the same room to wirelessly present.

DisplayNote Technologies Montage



60 Degree Video Conference Camera with Automatic Speaker Focus

The 360° lens automatically focuses on users as they speak, while 8 omnidirectional microphones locate the presenter and speakers stream exceptionally clear audio. The Meeting Owl combines video and audio to simplify the meeting set up, and brings the remote team members into the room and gives them a seat at the table.



Meeting Owl



ELTE's Berzsenyi Pilot Project

January 2017 Eötvös Loránd University integrates the former Berzsenyi Dániel College located in Szombathely, one of the former leading institutions for training elementary school teachers in Hungary.

July 2018 Eötvös Loránd University establishes the Berzsenyi Dániel Teacher Training Center in Szombathely where it provides a complete portfolio of elementary and high school teacher training programs.

November 2018 Eötvös Loránd University declares a pilot program in its institutional development plan under which the complete methodology of its elementary and high school teacher training programs will be reformed in the Berzsenyi Dániel Teacher Training Center

Köszönöm a figyelmet!

