# Michael Graczyk

Machine Learning Engineer with 9+ Years of Experience

mgraczyk.com
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## Work

- **Google**  google.com
  *Staff Engineer*  *2021 - Present*
  - Researching computational photography for next generation devices
  - Lead project to train and core image ML models and deploy on edge TPUs

- **Instagram (Meta)**  instagram.com
  *ML Engineer*  *2019 - 2021*
  - Tech Lead for camera and comments ranking and personalization
  - Leading cross-functional efforts across multiple teams of 12+ people
  - Domain expert and mentor in delivering machine learning at scale
  - Increased key camera engagement metrics by XX% during COVID compute-capacity crunch

- **OpenToken and hunches**  hunches.app
  *Cofounder and CTO*  *2017 - 2019*
  - Raised $2.6M in venture capital to build a cryptocurrency crowdfunding platform
  - Managed 3 experienced engineers
  - Set technical direction, design for mixed blockchain/web platform
  - Company pivoted, later acquired at $XXM valuation

- **comma.ai**  comma.ai
  *VP Engineering*  *2016 - 2017*
  - Managed 2 specialized engineers on mapping and localization projects
  - Designed and trained deep neural networks for driving and video processing
  - Validated and monitored models on public roads in a fleet of hundreds of devices

- **Google**  media signal processing
  *Engineer*  *2014 - 2016*
- **Qualcomm**  DSP Architecture
  *Engineer*  *2013 - 2014*
- **Intel**
  *Co-op Engineer*  *2012 - 2013*

## Education

- **Stanford University**
  *MS Electrical Engineering*
  - Machine Learning and Distributed Computing

- **University of Texas at Austin**
  *BS Mathematics, BS Electrical Engineering*
  - Applied Mathematics, Signal Processing, and Computer Architecture

## Everything Else

**Languages:** Python, C/C++, Rust, Javascript/HTML/CSS, Go, solidity, LaTeX, Java, C$\sharp$, Lua, MATLAB, asm, perl, bash, PHP/Hack

**Other Roles:** Advisor at hero.app (acquired by People.ai), open source contributor, cryptocurrency blogger, cryptocurrency miner

**Technologies:** Machine Learning (jax, pytorch, tensorflow), Blockchain/Cryptocurrency, Audio/Video Processing/Compression, React, Hardware Emulation, AWS S{E,N,Q,S,. . . }S