tinyML Trailblazers

Ultra-low power machine learning at the edge success stories

tinyML Success Stories
with Yoram Zylberberg
CEO, Emza Visual Sense

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Deploy TinyML into the Real World - Plug and Play ML

Sense

- Sensors:
  - modulated and ready-to-use sensors to simplify the setup process
  - support 500+ grove modules

Train

- Codecraft:
  - no code programming platform to get started with TinyML
  - supports Arduino, Python, C or JavaScript etc.

- Edge Impulse:
  - to optimize data utilization and enable deploying machine learning models faster than ever

Inference

- TensorFlow Lite:
  - to easily train low memory usage machine learning models

Applications

- Wio Terminal:
  - complete AI platform integrated with a 2.4" LCD screen, onboard IMU (LIS3DHTR), microphone, buzzer, microSD card slot, light sensor, infrared emitter (IR 940nm)

- Motion / Gesture / Speech / Smell / Sports
  - Barcode / Face / Image

- Artificial Nose
- AI thermal camera for safe camping
- Azure IoT Squirrel Feeder
The Right Edge AI Tools Can Make or Break Your Next Smart IoT Product

Analytics Toolkit Suite

AutoML

Data Collection

Test & Validation

Code Generation

Code Editing

Version Control and Model Management

Team Collaboration

sensiml.com/tinyML
STMicroelectronics provides extensive solutions to make tiny Machine Learning easy.
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SynSense builds sensing and inference hardware for ultra-low-power (sub-mW) embedded, mobile and edge devices. We design systems for real-time always-on smart sensing, for audio, vision, IMUs, bio-signals and more.

https://SynSense.ai
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tinyML EMEA Innovation Forum 2022

Connect, Unify, and Grow the tinyML EMEA Community
October 10-12, 2022

https://www.tinyml.org/event/emea-2022

Event will be held in person in Cyprus.

EMEA 2022 Call for Presentations is open till August 1st, 2022.

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Our next tinyML Trailblazers Series
Success Stories with Vijay Janapa Reddi
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Please use the Q&A window for your questions
Chris is a Silicon Valley entrepreneur and technologist, now VP of AI Engineering and Product for Webex Collaboration in Cisco. Most recently he was co-founder and CEO of BabbleLabs, a speech ML company, acquired by Cisco in 2020. Prior to BabbleLabs, Chris served as CTO for Cadence’s IP Group, which he joined after Cadence’s acquisition of Tensilica, the company he founded in 1997 to develop extensible processors. He led Tensilica as CEO and later, CTO, to develop one of the most prolific embedded processor architectures, especially for compute-intensive embedded processing. Chris was a pioneer in developing RISC architecture and helped found MIPS Computer Systems in 1984. He has an MS and PhD in EE from Stanford and a BA in physics from Harvard. He was named an IEEE Fellow in 2015 for his work in development of microprocessor technology.
Today’s Guest

Yoram Zylberberg

Before joining Emza, Yoram Zylberberg was GM of the $1B Mobile Business Unit at SanDisk. Prior to that, Yoram served in SVP/VP roles in Marketing and Business Development at M-Systems (acquired by SanDisk/ Western Digital), Verint, RED-C Optical Networks and Gilat Satellite Networks respectively. He holds a BSc in Electrical Engineering and an MBA from Tel Aviv University in Israel.
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