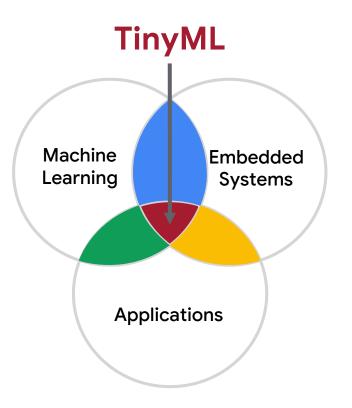
TinyMLedu: The Tiny Machine Learning Open Education Initiative

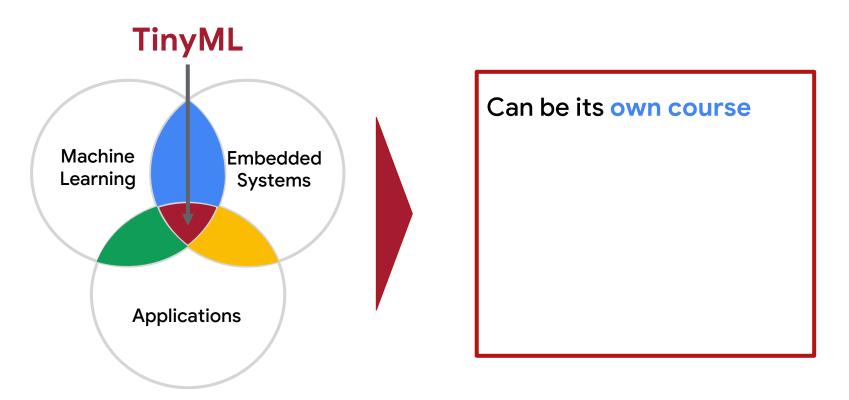


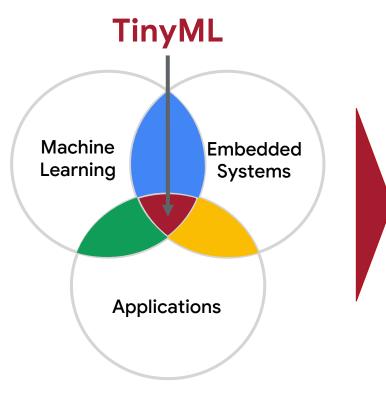
Brian Plancher Vijay Janapa Reddi



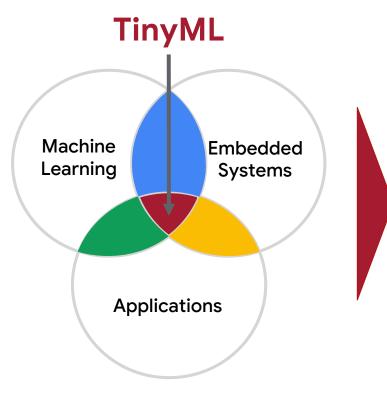
Harvard John A. Paulson School of Engineering and Applied Sciences







Can be its own course or a part of many different courses



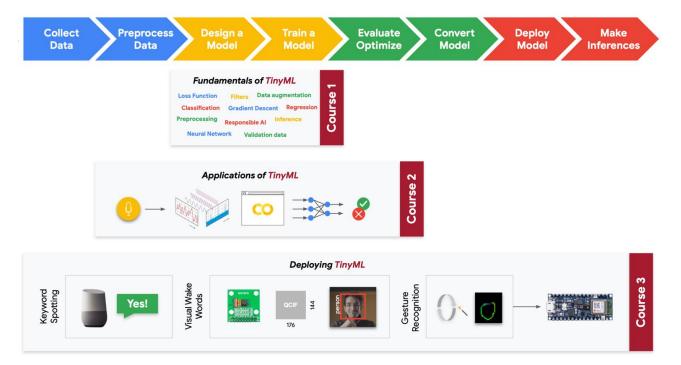
Can be its own course or a part of many different courses including:

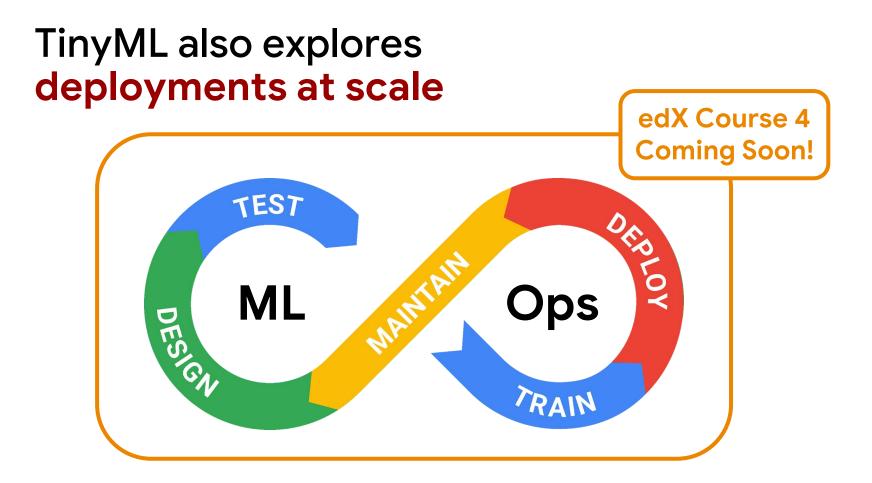
- Embedded Systems
- IoT / Sensors
- Machine Learning
- Robotics
- …

TinyML covers the full **ML workflow** from data collection to deployment

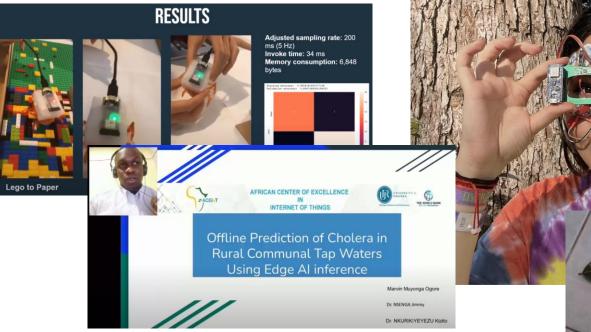


TinyML covers the full **ML workflow** from data collection to deployment





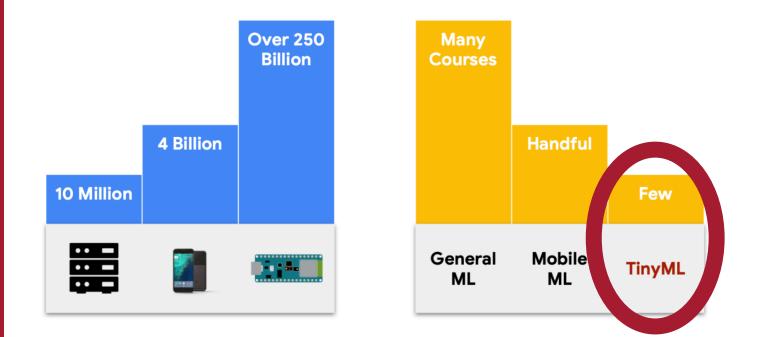
Project Based TinyML is a great education tool



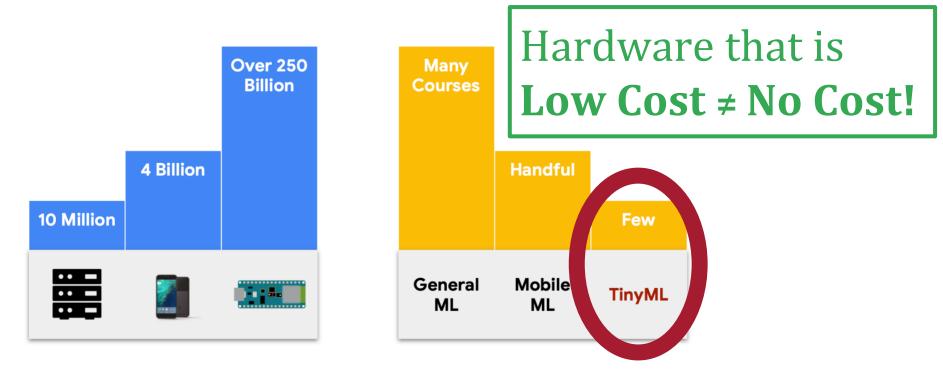


TinyMLedu: widening access to TinyML education and resources

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TinyMLedu: widening access to TinyML education and resources



TinyMLedu is structured as a series of working groups



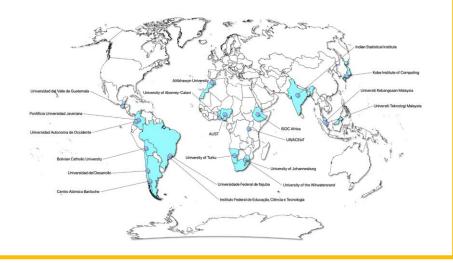
TinyML on edX

Our edX courses have been taken by over 60,000 students from 176 countries!



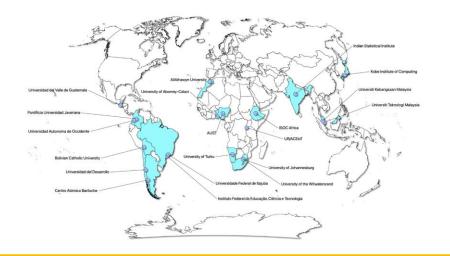
TinyML4D has launched a global network

We launched our 4D Academic Network of 20 Global Universities



TinyML4D has launched a global network, held global events

We launched our 4D Academic Network of 20 Global Universities



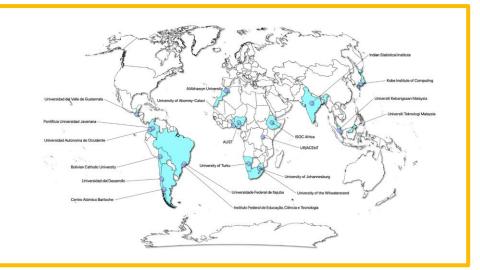


4 Seminars:

- "Why the Future of ML is Tiny and Bright"
- Software Tools for TinyML"
- "Embedded ML Case Studies: Rwanda & Brazil"
- "Getting Started with the Wio Terminal and Edge Impulse"

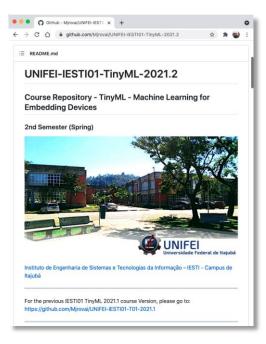
Lots more planned for the new year!

TinyML4D has launched a global network, held global events, and will share hardware!

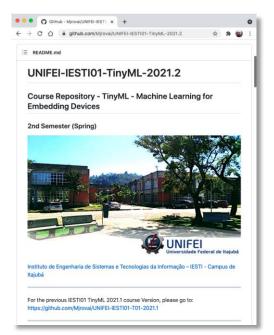




TinyML4D and **TinyML4Xlation** have helped launch two courses in Portuguese in Brazil



TinyML4D and **TinyML4Xlation** have helped launch two courses in Portuguese in Brazil



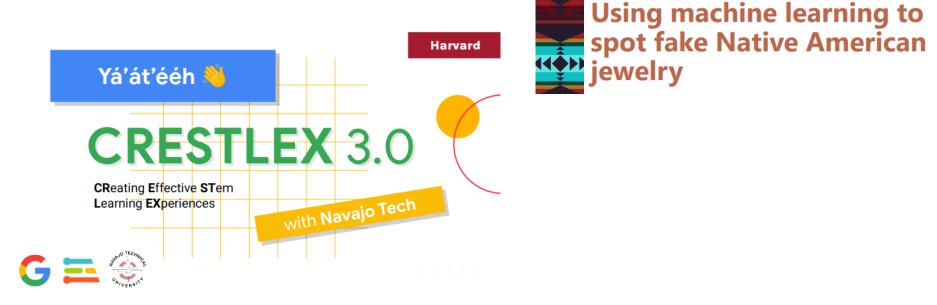
More courses are in the works for this year!

- Mozambique (Portuguese)
- Columbia (Spanish)
- Guest Lectures in Germany (German)

TinyML4K12 and **TinyML4STEM** ran a workshop for middle and high school students and teachers



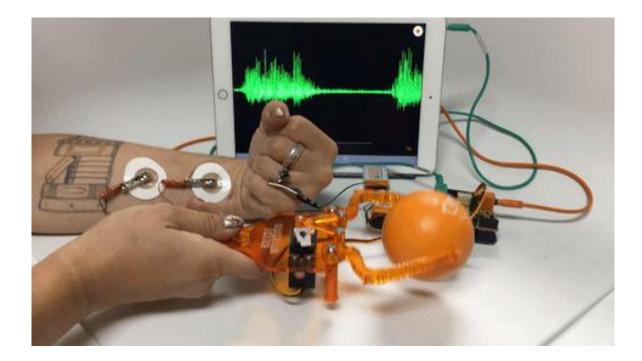
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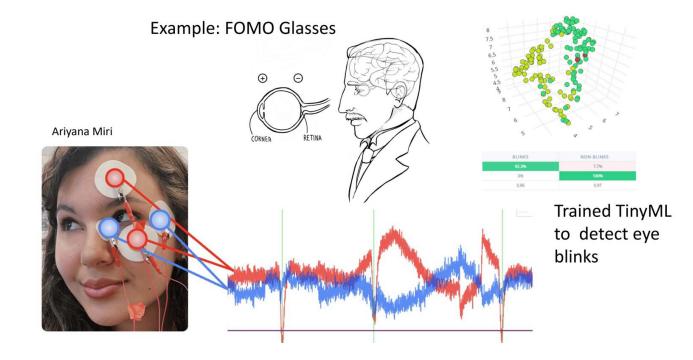
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TinyML4STEM & BACKYARD BRANS ran a STEM summer program



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TinyML4STEM & BACKWARD BRANS ran a STEM summer program





Learn more and explore all of our materials at TinyMLedu.org



TinyMLedu The Tiny Machine Learning Open Education Initiative

Welcome to the Tiny Machine Learning Open Education Initiative (TinyMLedu)

We are an international group of academics and industry professionals working to improve global access to educational materials for the cutting-edge field of TinyML. TinyML brings the transformative power of machine learning (ML) to the performance- and power-constrained domain of embedded systems. Successful deployment in this field requires knowledge of applications, algorithms, hardware, and software TinyMLedu is hosted by the Harvard John A. Paulson School of Engineering and Applied Sciences in collaboration with the tinvML Foundation.

| Take a Free Online Course to Learn More | Build and Teach your own Course | Explore our Working Groups |
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