|  |  |
| --- | --- |
| Dr. Thomas Catalano, Ph.D  Nuclear Chemist & Mechanical /  Electrical  Engineer | horizontal line Dr. Thomas Catalano 5120 North Broadway APT 302  Denver, CO 80216  719-290-1538  [tomcatalano@outlook.com](mailto:tomcatalano@outlook.com)  github.com/tomsnode  www.conceptslearningmachine.com |
| **ㅡ** myManifest | horizontal line  To continue the betterment of education by growing academia and industry with proven data and practices forthwith scientific and engineering works. |
| **ㅡ** Industry | horizontal line  **github.com/conceptslearningmachine** - (STEM) 2013-Present day / Denver Metro Area, CO What started as the standard descriptor as a "computer" software repository to the total embodiment of ethics for all of (STEM) with proven information and procurement of data in file formats for secure storage and redistribution.  **CLM ~ Concepts Learning Machine LLC.** - Humanitarian Scientist & Engineer August 2019-Present day / Cripple Creek, CO Science and engineering with ethical algorithmic procedures.  Utility invention I engineered and built;   * The Natural Human WaveLength & Impedance Meter and Visual Recognition Medical Instrument and submitted a white paper to the U.S Army Research Laboratory(ARL).   **ALTUSNET LLC.** - Computer Scientist & Engineer November 2017-November 2018 / Lincoln Park, NJ Hardware architecture extenuating by software and algorithmic processes.   * Engineered and built Toke Core; the blockchain hyperprotovisor software running the Bitcoin p2p network, confirming and reporting to the U.S. Federal Trade Commission at antitrust@ftc.gov the illegitimacy of cryptocurrency as a financial market weight and the inefficiency of "blockchain" as a hashing log verifier, "hyperledger".  Catalano Concepts LLC. - Nuclear Chemist & Mechanical/Electrical EngineerJuly 2013-Present day / West Orange, NJ Utility inventions I engineered;   * First and only to achieve Nuclear Fusion by implicitly engineering and building a Nuclear Fusion Reactor and reported to the U.S. National Aeronautical & Space Agency(NASA) for geo-satellite concatenation of scientific proofs. * The Full-Spatial Median-Free Liquid and Photonic Bit Transfer Module System 276,480-bit Computational Processor and submitted a drafted technical manual to the U.S. National Security Agency(NSA).   Reported engineering flaw to U.S. Naval Research Laboratory(NRL) on LIDAR sub-system for the F-23 joint strike fighter jet aircraft while conducting its flight operations. |
| **ㅡ** Academic | horizontal line MIT-Cambridge, MA **Princeton University**-Princeton, NJ |
| **ㅡ** Committees | horizontal line  **IUPAC member**  **IEEE member**  **ACS member**  **ACM member**  **Member author for the;**  **Publication of the American Society for**  **Gravitational and Space Research** |