EduNational®
Solutions, Exceptional

COMPANY HISTORY

EduNational LLC is a certified MWOSB (minority women-owned small business) incorporated in the state of New York in 2007. We began as a consultancy to address the academic needs of exceptional children and evolved into an artificial intelligence company to develop AI programs for the treatment of neurological conditions.

Origin and scope

Right from the start we designed our own EduNational® tests to evaluate language, cognition, and areas of talent, and thus built our own intervention programs. The children and young adults we served had a diversity of conditions: from dyslexia and learning disabilities, language disorders, ADHD and autism to giftedness and twice-exceptionality. We started by serving various areas in upstate New York and subsequently expanded throughout the Hudson Valley.

Dyslexia pilot

For the first six years, we developed EduNational® tests into game prototypes. In 2014, we conducted the original pilot dyslexia study using these prototypes at a Junior High in Dutchess County, NY. Study participants were struggling readers in Special Education. After our three-month intervention, participants in our program improved more than controls. Gains were statistically significant. A surprising number of our program users achieved Honors and High Honors in High School, too.

AI patents

In 2014, we applied for patents for our AI technologies for diagnosis and treatment of language-related neurological disorders. In the ensuing years, the U.S., China, Japan, and Korea granted these patents, with others pending. These patents protect the innovative way in which EduNational's AI systems design and deliver evaluations and interventions autonomously without any human assistance.

Dysolve® AI

We custom-built our autonomous AI system for dyslexia and other learning disabilities and named it Dysolve®. By 2017, our game based Dysolve® AI Platform was ready for beta testing. Subscriptions from users across the U.S. funded the company's ongoing Dysolve® platform building.

EduNational®

The first Dysolve® beta testers with dyslexia succeeded in passing school standardized and state reading assessments after only one or two years of Dysolve®. Once again, many of them achieved Honors and High Honors. Their successes were documented in our well-received book, *Dyslexia Dissolved: Successful Cases of Learning Disabilities, ADHD and Language Disorders*, which was published in 2018 and listed in BookAuthority.

Clinical trial
We completed the Dysolve® AI School Platform in 2023–in time for the clinical trial. EduNational® partnered with the Center for Research in Education and Social Policy (CRESP), University of Delaware. CRESP regularly conducts grant studies for federal agencies, such as the U.S. Department of Education, the National Institutes of Health, and the National Science Foundation. CRESP serves as an independent evaluator of Dysolve®, ensuring that CRESP-designed randomized controlled trial meets Institute of Education Sciences standards. The trial is running from 2022-24. Participating schools are located in Kansas, Illinois, Ohio, Mississippi, North Carolina, and Wisconsin, with ongoing recruitment nationwide.

Our team
Our team includes experts in rare specialties necessary for our brain AI technologies and top talents in programming and design. Team members are now located in North America and Asia. And in 2020 we established EduNational Asia to manage our operations there.

Looking ahead
In the years to come, EduNational® plans to deliver Dysolve® to all individuals who need to resolve dyslexia and other related conditions. In developing nascent products in education and healthcare, we will press ahead with our original, accomplishable mission to serve exceptional children and adults, only this time around the world using AI.

A COMPANY OF FIRSTS
- First to use AI to diagnose neurodevelopment disorders
- First autonomous AI system for education
- First to correct dyslexia successfully

COMPANY FOUNDERS

EduNational® underwent two phases of development. First, when we began as a consultancy, EduNational LLC was founded by Dr. Coral PS Hoh. Dr. Hoh was hoping to use her PhD training in Linguistics to help children in her community facing linguistic and cognitive challenges. At the same time, the fieldwork enabled her to continue to study cognitive and brain sciences.

In working directly with children and families, Dr. Hoh came to realize the immensity of the clinical and societal problem posed by their conditions, such as dyslexia. She turned to artificial intelligence to solve these issues. Then, Evan Haruta joined Dr. Hoh as a co-founder of EduNational® when it became an AI firm. Both co-founders are diagnostic experts in areas critical to EduNational's specialization in brain AI technologies. Together they created the fore-mentioned book, *Dyslexia Dissolved.*

Coral PS Hoh, PhD in Linguistics
CEO, EduNational LLC

Dr. Hoh is a clinical linguist who has devoted more than 30 years to helping children and adults with special academic needs. Many of the students she mentored achieved Honors or were admitted to top programs in institutions such as Columbia, Cornell, MIT, and the US Naval Academy. She served on an editorial board for the National Association for Gifted Children. Her studies on the linguistic ability of those outside the typical were published in leading peer-reviewed journals. As an author of first-of-its-kind studies, she was invited to referee for premier publishers in Linguistics, Education, and giftedness research, including Routledge and MIT Press. Her work was funded by the National Science Foundation. As one of the few experts in this area of clinical linguistics, Dr. Hoh also presents her findings at international conferences and to medical groups. She is the architect of the Dysolve® AI system and co-inventor of U.S. and international patents for computing technologies for the diagnosis and treatment of language-related disorders. She is Hudson Valley Magazine's 2021 Women in Business award recipient and a frequent guest and writer for media outlets.

Evan Y Haruta, MS in Mathematical Engineering
Director, EduNational LLC

Mr. Haruta is a software engineer with more than 30 years of experience in diagnosing and resolving system crashes or emergency outages on large mainframe computers at IBM. These mainframes are used by the largest enterprises in the world for running mission-critical applications, such as banking and air transportation. He is

a regular presenter at tech conventions for global companies in finance, healthcare, energy, transportation, retail, and service industries as well as federal agencies. Mr. Haruta helped to develop, and has taught, diagnostics, programming, and certification courses worldwide. He has also shared his expertise through a leading tech publication. He served on the IBM Patent Review Board to evaluate new computing technologies. His expertise in problem mitigation, evaluation and resolution in large-scale computing is particularly suited to meet EduNational's AI needs for scalability and real-time analytics. He ensures that EduNational's AI systems meet rigorous standards for functionality, reliability, efficiency, and security. And the Dysolve® AI Platform has experienced no outages or downtime since its original launch in 2017.

MISSION AND VALUES

Dysolve® uses our expertise creatively to identify and resolve academic problems so that every child has the most optimal opportunity to realize his or her full potential. We understand deeply how academic achievement can impact self-esteem, social relationships, and family life. Helping a child blossom into a capable, confident, and happy adult is a noble endeavor. As such, all facets of our enterprise embody this quality. We never waver on these core values:

- **Compassion**. We treat each family with understanding and kindness as we endeavor to help their children overcome their academic problems
- **Integrity**. We respect each family's needs, circumstances, and right to privacy and confidentiality. We explain in plain language why we recommend each step of the way
- **Expertise**. With specialized knowledge, competence and confidence, we aim to help each student in a field heretofore saturated with competing beliefs and practices. We aim to help families get on track as quickly as possible so that they can return to enjoying their home lives
- **Reliability**. We are committed to helping those willing to work with us toward resolving the academic problems affecting their children or students

OUR VISION

To solve the unsolved problems in education and healthcare with far-reaching impact on emotional, social, economic and clinical well-being

FIRST PRODUCT - DYSOLVE®

The term "Dysolve" is a blend of "dyslexia" and "dissolve" since Dysolve® AI dissolves dyslexia bit by bit (also for dysgraphia and dyscalculia)

The Dysolve® Brand DNA

• Novel symbiosis of language processing and mathematical modeling
• Individual customization for every user at any age
• Simple product design hides technical complexity
• Online games rewire the brain

Our Sites

Dysolve.com
DysolveCenter.com