

Semifinalist Public Summaries

Anytime Pediatrics

Team Leader: Mick Connors BS 1988

Contact e-mail: mick.connors@anytimepediatrics.com

Team Members: Daniel Olivieri BS 2018, Brad Miller, Mark Oldani BBA 1988, Angela Connors

Anytime Pediatrics is a comprehensive telemedicine solution for pediatricians to meet parents and patient needs for convenient, affordable and expert pediatric care when their child is sick or injured. When children are ill or injured, parents need advice and guidance. Anytime Pediatrics allows pediatric patients to virtually connect with a local trusted pediatrician. Our solution provides secure telemedicine technology, intelligent call routing, and can be accessed directly by parents and pediatricians from a mobile device or desktop computer.

Asset Education

Team Leader: Brent Modak BA 2011

Contact e-mail: mbrentmodak@gmail.com

Team Members: Tessa Zimmerman

ASSET Education is a not-for-profit focused on empowering students who suffer from stress and anxiety. Our goal is to equip every student with the tools necessary to beat back stress and respond in a productive manner. At ASSET, we accomplish this goal by providing qualified teachers with a curriculum, which includes a series of 5 to 15 minute lesson plans of social, emotional tools designed to be incorporated into academic classes. These tools then provide students the ability to hurdle the obstacles created by stress and anxiety and reach their full potentials.

Battuta

Team Leader: Matthew Sheldon

Contact e-mail: msheldon@mjsdesignandmarketing.com

Team Members: Shawn Cook ESTEEM 2017, Louis Daudet PhD 2019, Austin Fry ESTEEM 2018

Battuta is a crowdsourced mobile travel app that allows users to receive a personal guided tour by a local at their leisure. Local “producers” will create content in the form of videos describing popular sites within their city and upload these to Battuta. Travelers will be able to access these videos from our app, giving them the freedom design their own experience. Battuta is a free service to the customer whose revenue model is based on advertisements. Producers will receive a portion for each video viewed. Battuta will prove to be a disruptive force in a largely static industry.

BlockUP

Team Leader: Michael Padden BA 1978

Contact e-mail: michaelppaden1@gmail.com

Team Members: Steven Hunt, James Kirk, Mark Weber, Qiyu (Yvonne) Zhang BBA 2020

BlockUp is a unique, patented, fast-build construction block system. Its strength, durability, and flexibility are similar to concrete masonry, but the system differs in its fast, precise, and efficient assembly. This grouted system eliminates mortar, allowing for installation four times faster than a regular CMU wall. The BlockUp system will revolutionize masonry construction as it not only matches the performance of existing block at much lower cost, but also offers patented enhancements, such as improved reinforcement options, sheer resistance, and water management features.

Blue Squirrel

Team Leader: Andrew Kiel BBA 1994

Contact e-mail: andrew@bluesquirrel.com.au

Team Members: Amanda Andrews

The mission of Blue Squirrel is to help people around the world achieve their bucket-list goals in life. Whether it is turning the keys to a new car, proposing on a mountain top, moving into your first home, experiences in a foreign land, or going for a midnight swim, bucket-list moments are what life is all about. Blue Squirrel is an app that lets you discover, plan, and budget your bucket lists. Nine months since going global, start-up, based in Brisbane, Australia, has over 10,000 millennial- and Gen Z-Squirrellers in over 65 countries with over 60,000 bucket-lists on the go... and is just getting started.

CAN Ventures

Team Leader: Alison Hennessy ESTEEM 2018

Contact e-mail: ahennes2@nd.edu

Team Members: Claire Kleinschmidt ESTEEM 2018, Natalie May ESTEEM 2018

CAN is a for-profit social venture that believes entrepreneurship is the solution to autism underemployment. We empower disabled individual/caregiver duos with business-in-a-box solutions to pursue their own ventures with the support of the CAN brand.

Cherryfish

Team Leader: John Doheny BA 2011

Contact e-mail: john@cherryfish.com

Team Members: Dan Doheny, Kate Doheny, Austin Kelsch

Cherryfish makes charity efficient by allowing individuals to discover charities, verify tax status, and get inspired by what charities are doing. Individuals can then easily give in any way they want: by donating money, volunteering, attending or hosting events, leading groups, and more. Cherryfish has combined many tools into one location, providing charity leaders with a streamlined system and unprecedented insight into their supporters. Cherryfish brings together the entire charity network, revolutionizing the way the US runs and supports charities.

Covur

Team Leader: Michael Wicks

Contact e-mail: Michael@covur.co

Covur is a marketing platform for local business that automates email list growth using Wifi. Our web app then helps these businesses market to their audience directly from any device at a fraction of the time of anything on the market today.

Cryptalpha

Team Leader: Devon Krapcho BBA 2018

Contact e-mail: dkrapcho@nd.edu

Team Members: Nikhil Garg BBA 2018

Cryptalpha is an automated portfolio management tool for digital currency investing. It allows users to upload US Dollars or preexisting digital currency to their account, which then applies a simple and straightforward balancing function to spread wealth across ten of the major cryptocurrencies in market.

DermaDiagnostics

Team Leader: Eydis Lima ESTEEM 2018

Contact e-mail: elima1@nd.edu

DermaDiagnostics is a microneedle-mediated intradermal diagnostic patch that will detect asymptomatic STIs and gynecologic cancers is of utmost need in our rapidly evolving globalized world. To date, no immediate diagnosis or combined diagnosis-treatment option for gynecologic malignancies such as sexually transmitted infections (STIs) or gynecological cancers exists, leaving patients vulnerable to greater health risks. The physical, psychological and social consequences of sexual and reproductive health compromise rigorously the quality of life of those ill and at risk.

Domer

Team Leader: Arielle Gannon ESTEEM 2018

Contact e-mail: arielle.b.gannon.23@nd.edu

Team Members: Ornella Gashumba ESTEEM 2018, Rosa Joo Yun Kim BS 2020, Joseph Lesiak JD 2018

ND students are looking to travel cheaply and more conveniently. Domer aims to solve student transportation problems at Notre Dame by providing a cheap and convenient means of transportation for ND students to Chicago, and Chicago Airports. 87% of our interviewees reported a need for a better way to get to airports in Chicago. In the words of our potential customers, "the bus journey is unnecessarily long and the train isn't practical with luggage."

Enlighten Mobility

Team Leader: Marissa Koscielski ESTEEM 2018

Contact e-mail: mkosciel@nd.edu

Team Members: Jacob Burger MBA 2019, Jeff Riney BS 2019, Rory Burke BS 2018

Enlighten Mobility is a medical device company that has embraced individuals who typically fall through the cracks of medical care. The organization is launching its first product, The Enlight Walker, which reestablishes healthy walking patterns for lower limb amputees the same day as the operation, dramatically decreasing the physiological decline and increasing rehabilitation speed. The forearm, gait-trainer ambulatory device facilitates a kicking motion and enables weight bearing on the compromised limb while maintaining wound integrity and empowering the patient to succeed.

Envisage Analytics

Team Leader: Wyatt Perry MBA 2019

Contact e-mail: wperry3@nd.edu

Team Members: David Herbert, Dr. William Perry, Austin Gilbertson MBA 2019, Dr. Eric Hard

Our company seeks to decrease healthcare costs by improving the current diagnostic imaging process. We will achieve this goal by using a proprietary predictive machine learning software designed to aid primary and specialty physicians in selecting appropriate radiologic studies for their patients. Our software will replace the current industry standard manual process, which is time-consuming and error-prone (approximately twenty-five percent of all imaging exams being ordered are in error). By automating this process, we will save time, reduce costs and improve diagnostic accuracy.

Excelerate

Team Leader: Arielle Gannon ESTEEM 2018

Contact e-mail: agannon2@nd.edu

Team Members: Marisa Lucht BS 2018, John-Paul Zebrowski MAM 2018

Excelerate is an Ed-Tech startup dedicated to bringing computer science to every high-school in America. This duty will fall on teachers with non-computer science backgrounds as there is a shortage of CS graduates. Excelerate helps non-computer science teachers teach computer science to high school students in an engaging and quality way using Excelerate's curriculum, online Teacher Professional Development and help platform.

Explore Interactive, LLC

Team Leader: Wesley Virt

Contact e-mail: wvirt@exploresupport.com

Team Members: Daniel Kim, Joe Sawicki, Amanda Thompson

Explore Interactive utilizes augmented reality technology to make learning seem like play. Our Explore! Cards® allow virtual objects to appear in the real world by utilizing the camera on your mobile device. Imagine creating electrical circuits, experimenting with dangerous chemicals, or inventing the next generation of solar panels: the possibilities are truly endless if we Explore.

Figuro3D

Team Leader: Robert Kuang MBA 2017

Contact e-mail: robert.kuang@figuro3d.com

Team Members: Vignesh Natraj MBA 2018, Nicholas Santoro MBA 2018, Venkata Kavuri MBA 2018, Michael Skinner BS 2020, Cole Mitchell BS 2018

Figuro3D is group of entrepreneurs, hardware engineers, and programmers that believe capturing 3D images quickly leads to more innovative, more productive, and more meaningful work. Our mission is to make 3D scanning as quick and simple as taking a picture. Our team collaborated with the Digital Historical Architecture Research and Materials Analysis (DHARMA) to create digital 3D models of World Heritage Sites, such as the Roman Forum and the Taj Mahal. After realizing the positive impact fast 3D scanning can have in the world, we decided to form Figuro3D.

General Ledger

Team Leader: Joel Florek

Contact e-mail: joelflorek@gmail.com

General Ledger is designed as a simple to use cash basis accounting system targeting small to mid-size real estate investors. Built off the foundation of personal budgeting apps like Mint, Personal Capital, and YNAB, General Ledger allows users to connect bank and credit accounts to the platform for seamless automated uploading of transactions. Unique to General Ledger is the ability organize transactions into multiple ledgers to manage personal finances and multiple businesses all in one place, something no other finance application can currently do. In addition, unique to General Ledger is a multi-layered categorization system which means a hierarchy structure can be setup allowing for powerful filtering which will support a suite of future business tools built into the application. General Ledger MVP web app will be launching in the summer of 2018. Check out www.getledgers.com to subscribe for updates on our launch!

Gigil

Team Leader: Emily Russo ESTEEM 2018

Contact e-mail: erusso1@nd.edu

Team Members: Mikaela Saugstad ESTEEM 2018, Matthew Glaeser MBA 2019, Danny Hogan ESTEEM 2018, Cecilia Pesavento MBA 2019, Marissa Koscielski ESTEEM 2018, Shelby Niemann JD 2018

Gigil is a subcutaneous injection-stabilizing device aimed to give individuals with autoimmune diseases the confidence to effectively administer an injection without the aid of a nurse or professional. Its function is twofold: It ensures effective medicinal delivery through a guided and stabilized 45 degree angle injection pathway, thus providing peace of mind. Scar tissue buildup and bruising is decreased by offering the ability to rotate injection sites. Second, it mitigates pain through small bumps on the posterior side, saturating the nerves as the patient pinches the device during application.

Healthy Points

Team Leader: Andrew Wiand ESTEEM 2012

Contact e-mail: a.wiand@sbenfocus.org

There is an opportunity for significant clinical innovation leveraging the power of social networking to increase engagement and motivate chronic disease patients to improve their behaviors. Healthy Points is the first secure digital networking-based population health management tool that can enhance a health system's effectiveness at modifying patient behaviors and increasing patient self-management.

Hearo

Team Leader: Jake Glavin BS 2010

Contact e-mail: jake.glavin@gmail.com

Team Members: Dr. Courtney Glavin, Sam Meersman, Danny Goldrick BBA 2010, Gregory Antell BS 2010

Hearo is an online platform for hearing solutions. We believe that finding the right hearing solution requires simple, customized, and objective advice. The current delivery model for hearing aids loses sight of the customer. It is dominated by large hearing aid manufacturers and audiologists selling expensive hearing aids. Hearo seeks to redefine the delivery model by empowering customers to make informed decisions about hearing solutions. Similar to how TurboTax helps people navigate the complex tax code, Hearo provides an online tool for customized hearing recommendations.

Hurry Home

Team Leader: Jada McLean

Contact e-mail: shanice.jada@gmail.com

Team Members: John Gibbons BA 2014

Hurry Home brings buyers and sellers of houses worth \$50,000 or less together on a full-service platform that brokers the relationship, services the loan, and provides an exit for sellers, while creating an opportunity for real estate investors. Sellers benefit through a quicker exit at or above their asking price with minimal effort, while low to moderate income families are given the opportunity to save money and build wealth through a unique home loan focused on protecting their rights.

Impowerus

Team Leader: Katelyn Ringrose JD 2019

Contact e-mail: kringros@nd.edu

Team Members: Manon Burns JD 2018, Carlos Cisneros Vilchis JD 2017, Erika Gustin JD 2019, Veronica Canton JD 2018, Carol Lima JD 2020, Alex Ingoglia JD 2020

Impowerus connects juvenile immigrants with attorneys performing pro bono immigration work. Studies confirm that having legal counsel significantly increases the chances of receiving a positive outcome in immigration proceedings. Impowerus combats both the need generated by the lack of reliable legal services and the high costs of doing pro bono work. In addition to aiding juveniles through the immigration process, Impowerus allows lawyers to more efficiently

perform and track their pro bono hours through our easy-to-use, secure video chat software they can use from the comfort of their desk.

Indiana Lysis Technologies, LLC

Team Leader: Nathan Alves PhD 2013

Contact e-mail: nathanjalves@gmail.com

Team Members: Jeffrey Kline

At Indiana Lysis Technologies, LLC (ILT), we develop safer direct fibrinolytic agents to digest clinically-important blood clots utilizing novel multivalent nanoparticle delivery formulations. We are a product-based drug discovery company with core-competency in nanoparticle drug delivery seeking to commercialize a patent-pending clot dissolving technology. Our initial clinical indication is catheter-directed treatment of pulmonary embolism (PE).

iThink

Team Leader: Terrence Malloy MBA 2018

Contact e-mail: tmalloy@nd.edu

Team Members: Neal Kostry MBA 2018

Thinker is a mobile application that gamifies critical thinking skill acquisition to empower student users to think logically across any subject. Thinker stimulates students' minds, intellectual self-confidence, sense of self-efficacy, and connection to the greatest thinkers of all time through humorous, adaptive, and progressive learning modules and rewards-based incentives.

Kloud

Team Leader: Valeria Gonzalez ESTEEM 2018

Contact e-mail: vgonzal2@nd.edu

Team Members: Tyron Pretorius ESTEEM 2018, Alexander Wimber ESTEEM 2018

Kloud aims to revolutionize the Water Purifier design to provide a balanced, stable, and comfortable pour in an effort to reduce wrist related injuries and pain to the elderly. Kloud will accomplish this by redesigning the traditional placement of a handle on a water purifier. The relocation of the handle will direct the weight away from the elderly person's wrist. Kloud Water Purifier is a therapeutic device disguised as a modern, stylish kitchen appliance.

LEXpense

Team Leader: Nicholas Podlaski BA 2011

Contact e-mail: npodlask@gmail.com

Team Members: Kevin Podlaski, Samantha Scaglione BS 2019, Edward Cunningham BS 2020, Xiangyu (James) Dong BS 2020

LEXpense is an artificial intelligence-driven legal technology company. We forecast, facilitate, and manage personal injury litigation expense funding to increase profitability for firms and recovery for plaintiffs. We offer data-driven insight into cases and litigation strategy for attorneys.

Marty

Team Leader: Eva Marie Costello ESTEEM 2017

Contact e-mail: evamarie@martyhow.com

Team Members: German Estrada ESTEEM 2017, Andrew DeSantis ESTEEM 2017, Bob Dowdell MBA 2969, Kate Costello

Marty is an edtech digital inclusion startup focused on empowering people to better navigate the digital world to improve their lives. Our product aims to help educate job seekers (low-income 50+) on how to get work on gig economy platforms and build up a digital reputation.

Origin Oncology

Team Leader: Matthew Curtis MS 2016

Contact e-mail: mcurtis2@nd.edu

Ovarian Cancer is the 'silent killer.' Women with a BRCA1/2 gene mutation have a three in ten chance of dying of from ovarian cancer. The reason is that there is no diagnostic for ovarian cancer. Origin Oncology has developed a patented MV-IR method for detecting ovarian cancer in Stage I, where patients have a 92% five year survival rate. Origin Oncology is finding cancer's beginning so that we can discover its end.

Pirouette Medical

Team Leader: Matthew Kane BBA 2017

Contact e-mail: matt@pirouettemedical.com

Team Members: Conor Cullinane, Elijah Kapas

Pirouette Medical is developing and bringing to market a revolutionary auto-injector. There has been a steady rise in the number of allergy patients per year that require an epinephrine auto-injector (EAI). Currently, Mylan's EpiPen has captured over 90% of that large and growing market. However, the EpiPen and other existing EAIs leave patients actively seeking an alternative to address the anxiety they feel associated with the five main pain points; poor portability, temperature susceptibility, unwanted attention, accidental injections, and lacerations. Pirouette Medical answers that call.

Property Risk Data Services

Team Leader: Ed Scheffler

Contact e-mail: eddiescheff@yahoo.com

Team Members: Ryan Kreager

PropertyRDS was founded in 2017 with one goal in mind: to improve the lives of everyone involved in a property insurance claim. We believe that everyone who is making an insurance claim is already experiencing a difficult life situation: fire, flood, and acts of God can upend our lives and make a return to normalcy difficult. Our Software as a Service platform, ClaimBoost, shortens and improves the claim process for all parties involved, helping everyday men and women get their lives back.

Resonado

Team Leader: Brian Cho BBA 2019

Contact e-mail: ycho@nd.edu

Team Members: Christian Femrite BS 2019, Peter Moeckel BBA 2020, Erikc Perez-Perez BBA 2019, Lindsey Meyers BFA 2019, Ashley Huffman BBA 2019, Katherine Smith BBA 2019

Resonado is a consumer electronics manufacturing/tech firm specializing in innovative speaker technology called Flat Magnetic Speaker Technology (FMS). With its patented technology, Resonado reshapes the audio industry by revolutionizing the current 100-year old speaker technology and provides high quality speakers with the best sound-to-weight ratio only possible with FMS Technology and unrivaled by other competitor's models.

Ride Hopping

Team Leader: Nick Kenkel MBA 2018

Contact e-mail: skenkel@nd.edu

Team Members: Tom Jones MBA 2018, Kyle Carlson MBA 2018, Erin Weke MBA 2018

Ride Hopping is a platform that connects Drivers with Passengers for medium to long distance travel (trips between 1 and 8 hours). As AirBnB meets CouchSurfing, RideHopping meets Ride-sharing as it aims to empower drivers to share rides on their terms. Drivers set the price (from free to \$99), the route, and the itinerary. Passengers benefit with more travel choices: more destinations, more departure times, lower prices than existing service options (Bus/Train/Taxi/Uber).

SalvePeds

Team Leader: Trung Nguyen PhD 2018

Contact e-mail: tnguye24@nd.edu

Team Members: Raja Krishnan MBA 2018

SalvePeds is an early-stage pharmaceutical company offering the novel drug ND-336 as a topical therapy for the treatment of diabetic foot ulcers (DFUs). Pre-clinical studies with ND-336 in diabetic animals have shown that this drug accelerates healing up to 200% over placebo-treated, and is 150% more efficacious than the only FDA-approved drug Regranex™. Our goal is to provide an effective, safe and convenient healing treatment for DFUs to prevent thousands of amputations. Currently, we have initiated IND-enabling studies and we plan on beginning phase I clinical trials in early 2019.

SecūrSpace

Team Leader: Cory Bailey MBA 2018

Contact e-mail: cbaile12@nd.edu

Team Members: Nick Kenkel MBA 2018, Dan Kraak MBA 2018, Lance Theobald

SecūrSpace is an online platform for booking parking and storage space for trucks, trailers, and shipping containers. Through the platform, storage yards can market available space, while warehouses, distribution centers, and other businesses with secure locations can list open lots and monetize underutilized property. SecūrSpace provides a greater selection of parking and storage options for buyers, saving both time and money.

Streetlight Creations

Team Leader: Nicholas Lampson BBA 2020

Contact e-mail: nlampson@nd.edu

Team Members: Ralph Moran BA 2020

Streetlight Creations is a custom music platform that creates songs and lyric videos which are paired together for the purpose of gift-giving. This can be used for a variety of occasions such as anniversaries, weddings, and birthdays. This platform provides customers with the opportunity to make beautiful music alongside talented artists, while also giving artists the opportunity to build their fan base and portfolio of music.

Team ERS

Team Leader: Garrett Busch BBA 2010

Contact e-mail: garrettbusch@trinitascellars.com

Team Members: Charles Hughey, Kevin Parker

Team ERS has patented technology around an electric-hydraulic hybrid system. This combination has many market uses such as: fork lifts, cranes (and other heavy construction equipment), elevators, grid

scale energy storage, and others. We are initially targeting the vehicle market, specifically the commercial vehicle market. The commercial vehicle market is in serious need of alternatives to fossil fuels, which are currently inefficient and not marketable. We create an efficient system, with studies showing over 90% energy recapture for reuse.

Tech Center Makerspace

Team Leader: Kim Brand

Contact e-mail: kim@1stmakerspace.com

Team Members: Adam Brand, Mike Sanders

Tech Center Makerspace is a makerspace in the refurbished Studebaker Factory adjacent to the Global Access Point data center. Community makerspaces inspire entrepreneurship and personal inquiry as the source of inventions, allowing the attainment of global significance and personal development and leading to a better job. Equipment funding and an agreement from the developer to occupy the space for three years rent free has been acquired, but we would continue to look for support from this grant to fund staff, program development, PR and operating costs.

ThinkBig

Team Leader: Brent Marin BS 2018

Contact e-mail: bmarin@nd.edu

Team Members: Eric Castellanos BBA 2018, Nick Courtney BBA 2018, Michael McRoskey BS 2018

ThinkBig harnesses the power of data and AI to help non-profits to maximize their impact. Data and artificial intelligence are poised to transform business. As the CEO of MasterCard puts it, "data is the new oil". We believe this technology should be used for more than profit. Our unique software solution integrates AI and data insights into fundraising, communication, volunteer management, client outcome tracking, and other necessary tasks for running a non-profit. ThinkBig saves time, turbocharges fundraising, and helps users wring the most good out of every dollar.

Toffee

Team Leader: Samuel Krause ESTEEM 2018

Contact e-mail: skrause1@nd.edu

Team Members: Kerry Egan ESTEEM 2018, Margaret Mraz ESTEEM 2018, Thor Nagel ESTEEM 2018, Alex Wimber ESTEEM 2018

Toffee is a software service company that aims to help businesses improve internal processes for testing their web applications through a cloud-based platform that empowers non-programmers to build, edit, and execute functional UI tests. A user creates automated scripts through plain-English commands with the ability to fall back to manual steps for things automation cannot reach. Toffee saves companies time and money by giving non-developers the ability to construct and manage the entire test suite.

Uber Manufacturing

Team Leader: James Summers

Contact e-mail: james@tsgdiversity.com

Team Members: Ann Voll, William Voll

Leveraging the trends of the "Gig Economy" and addressing the needs to train individuals with manufacturing skills, Uber Manufacturing creates the opportunity for those who seek to learn and develop skills at their own pace through hands-on experience. We enable local manufacturers to

outsource low to medium skilled jobs such as assembly, testing, sorting, counting, packaging or rework, to a company designed to quickly understand the need and provide the solution. We take on short term manufacturing problems and resolve them quickly, efficiently, and economically through independent contractors.