**Entrepreneurship@UBCO Mentor 2 Market**

**2020-2021 Fall/Winter Cohort**

**CloudTrac Services**

**Connor Scott (UBCO Electrical Engineering 4th year), David Rojas (UBCO BBA Alumni 2015)**

*Intake Interview:* [*https://youtu.be/ZhtlQmHUqdw*](https://youtu.be/ZhtlQmHUqdw)

**Mentors: Michael Macaulay and Fritz Kipfer**

Cloudtrac Services provides real-time GPS location information, vehicle status, and control of on and off-road vehicles that are vulnerable to theft, including motorcycles, personal watercraft, snowmobiles and ATVs. The system enables vehicle owners to track and recover stolen vehicles. The goal is reduction of the cost of third party insurance.

**Book n Work**

**Ahmed ElMouchi (UBCO Civil Engineering PhD student), Twafiq Menad, Mahmoud Hasbalnaby (UBCO PhD Student Electrical Engineering)**

*Intake Interview:* [*https://youtu.be/wP19JiMhDUI*](https://youtu.be/wP19JiMhDUI)

**Mentor: David Jenkins**

Book n Work pairs homeowners or offices that have extra space with students and start-ups that need co-working space. It’s the AirBnB of co-working.

**Elite A2Z**

**Gavin Saini (UBCO Civil Engineering 3rd year), Keyvan Khadem (UBCO Civil Engineering 3rd year), Harvir Mann (UBCO Civil Engineering 3rd year), Ahmed Ramadan (UBCO Civil Engineering 3rd year)**

*Intake Interview:* [*https://youtu.be/lh6EOBDiQkw*](https://youtu.be/lh6EOBDiQkw)

**Mentor: David Saltman, Rose Bhojani and Paul Matthews**

A2Z filtration system removes 99% of hydrocarbon pollutants from stormwater runoff. The filter has the potential to remove/reduce other pollutants.

**GAPSS - Gravity Assisted Particle Separation Systems**

**Jacob Sol (UBCO Civil Engineering 2nd year), Cole White-Robinson (UBCO Mechanical Engineering 2nd year), Jayden Wong (UBCO Electrical Engineering 2nd year), Graeme Kumagai (UBCO Electrical Engineering 2nd year), Rudransh Kumar (UBCO Electrical Engineering 2nd year)**

*Intake Interview:* [*https://youtu.be/T3Uyili3t6k*](https://youtu.be/T3Uyili3t6k)

**Mentor: Grant Lawrence and Alexandra Nuth**

Gravity-Assisted Particle Separations System is an easy to install, retrofittable, and affordable stormwater decontamination product which performs 3 primary functions: (1) uses media filtration to remove hydrocarbons (we are looking to expand to other contaminants as well); (2) alters inflowing water fluid dynamics to promote sedimentation and remove sediments; and (3) uses a built-in sensor unit to collect real-time water quality data which is compiled and presented for an entire municipal network for monitoring.

**Proximy**

**Arpan Kandola (UBCO Alumni – Civil Engineering), Brodie Couch (UBCO Alumni – Civil Engineering), Brandon Caiza (UBCO Undergrad – Computer Science 4th year)**

*Intake Interview:* [*https://youtu.be/sZLDcOXqd4o*](https://youtu.be/sZLDcOXqd4o)

**Mentor: Alex Miller**

Proximy is a platform that connects individuals to opportunities of interest - whether that be on a campus or in a community - thereby increasing connectivity and combating isolation and mental illness.  The app overcomes the two-way communications challenge that exists on campuses or in other “communities” where line minded individuals have no way to access programs, activities, or clubs - and programmers have no way to reach their target audience because of privacy laws.   In negotiations on a deal with Okanagan College and in discussions with faculty at UBCO.

**VegMaps**

**Ehab Ghanem (UBCO PhD student, Electrical/Geomatics Engineering, Multi sensor fusion for Autonomous Vehicles), Sam Al Khalidy (Graduate Okanagan College Business School and business executive), Mohammed Hussanein (PhD student UofC) and Maan Khadr (PhD student UofC)**

*Intake Interview (must be in slideshow mode to see video):* [*https://drive.google.com/file/d/1wqWTZvZF6KoLcUBsRo4KD4baEshe0uD1/view?usp=sharing*](https://drive.google.com/file/d/1wqWTZvZF6KoLcUBsRo4KD4baEshe0uD1/view?usp=sharing)

**Mentor: Henry King**

VegMaps uses multi-spectral cameras from aerial drones to provide agricultural operations with data such as crop count, weed detection and irrigation.  The team is undertaking a pilot with Ertus Software, an international wine production software consultancy at Culmina Winery currently.

**The GelMA Company**

**Mohamed Gamal (UBCO Alumni PhD Engineering 2020)**, **Mohamed Roushdy**

*Intake Interview:* [*https://youtu.be/-K2zLxR5d\_U*](https://youtu.be/-K2zLxR5d_U)

**Mentor: Derek Gratz and Clemens Kaiser**

"Okagel" is a biomaterial (gelatin methacrylate GelMA) designed as a bio-ink in 3D bioprinting and microfluidics. An initial application for biomaterial and devices for biomaterial synthesis and 3D bio printing include creation of tissues and organs to solve shortages of donors for treating and replacing injured or damaged tissues and organs.  The company plans to continue to develop new materials, methods, and devices to address additional applications.

**Omega Ratio**

**Jake Winkler (UBCO Alumni - M.Sc Biochemistry and Molecular Biology 2019), Lisa Renaud (UBCO Alumni M.Sc Biochemistry and Molecular Biology, current 1st year Medical student), Daisy Ye (PhD Biology UBCO - Alumni)**

*Intake Interview:* [*https://youtu.be/EtLskwIPf-Y*](https://youtu.be/EtLskwIPf-Y)

**Mentor: Saskia Battersby and Adrien Niblock**

The first dietary management tool that helps people track the consumption of Omega-6 and Omega-3 fatty acids - a key driver of inflammation/chronic disease. This application identifies the ratio of Omega-6 to Omega-3 in a user's diet and provides recommendations and education to maintain a healthy proportion (4:1). Balancing the 'Omega Ratio' allows individuals to treat the root causes of chronic diseases such as diabetes, cardiovascular disease, and many cancers as well as gut diseases.

**ResearchTube**

**Mahmoud Sakr (UBCO PhD candidate Mechanical Engineering), Usama Ansari (UBCO MSc student Electrical Engineering 3rd year), Mohamed Sakr, Motasem Sakr (MSc Electrical Engineering U of T)**

*Intake Interview:* [*https://youtu.be/iWz5OBOVRSM*](https://youtu.be/iWz5OBOVRSM)

**Mentors: Myles McGovern, Abhinav Kanti, (Hugh Faloon, Derek Gratz)**

ResearchTube has developed an online platform that utilizes AI to convert the executive summaries of research papers into videos.  The platform will enable research papers to be more widely disseminated to researchers, media and the general public utilizing web analytics.  It will more effectively deliver content to a generation that consumes information via video versus print.  The platform will also enable eventually virtual research conferences – which enable wider participation by academic and industry help overcome challenges of budget and travel restrictions – especially relevant during the current pandemic.

**Agronome**

**Michael Oyatsi (UBCO Mechanical Engineering Alumni 2020), Kennedy Wafula, Trufena Oyatsi, John Ngida**

*Intake Interview:* [*https://youtu.be/4fdTOQWOPcU*](https://youtu.be/4fdTOQWOPcU)

**Mentor: Sherri Faloon**

Agronome is an agricultural technology platform targeting farmers in Africa that seeks to aggregate crop, weather, and market data, synthesizing it into relevant information for use by farmers, allowing them to undertake improved decision-making throughout the farming cycle.  The team plans to use information from custom-built, affordable terrestrial weather observatories with satellite weather data as well as provides linkages between the farmers and other agricultural value chain stakeholders on a platform accessible by both smart and feature phones. The resulting solution is called A.I.R.E.S (an abbreviation for Agricultural Information and Remote Extension Services).

**citybizz.io**

**Saranjeet Singh (UBCO Alumni Masters Electrical Engineering 2018)**

*Intake Interview:* [*https://youtu.be/peF4-vq-VrI*](https://youtu.be/peF4-vq-VrI)

**Mentor: Warren MacPhee and Jared Cook**

We harness Big Data and Machine Learning to empower small brick and mortar businesses in cities to sell effectively online to consumers. Few small businesses are online or have a sophisticated online presence with the AI capabilities of major players like Amazon - and are particularly disadvantaged by the COVID epidemic to reach and deliver cost effectively to possible customers.

**Tutor Me!**

**Pouria Mehrabi (UBCO Alumni MASc 2018 Mechanical Engineering)**

*Intake Interview:* [*https://youtu.be/IwXH8DQ50KE*](https://youtu.be/IwXH8DQ50KE)

**Mentor: Kyle Wiltshire**

Tutor me connects students in all levels to tutors across Canada. In-class learning has been significantly impacted by global pandemic and online learning has become a vital tool that will continue to play a role in future classrooms. Our service offers an opportunity for students and parents to find and book the best tutor for their academic needs. Instructors will create a profile, choose their teaching topics, set their own rates, tutor online (or in person in future) and connect with thousands of potential students.

**Experience Kelowna**

**Pala Kovacs (UBCO Business Mgmt 3rd year)**

*Intake Interview:* [*https://youtu.be/tXfGsfrti\_U*](https://youtu.be/tXfGsfrti_U)

**Mentor: Kara James and Mitch Grant**

Experience Kelowna provides the ability to truly appreciate and experience the beautiful Okanagan. Imagine having your own personal photographer join you on your wine, brewery, ATV, sailing, climbing, hiking or helicopter tour. Now you can have your tour professionally photographed with high-end, magazine-worthy images. You can put your cell phone away and truly enjoy the tour.

**Ommaty Tech Solutions**

**Mohamed Abouzaid, (UBCO Computer Science 3rd year), Mohamed Aly (UBCO Master's Student Mechanical Engineering 3rd year)**

*Intake Interview:* [*https://youtu.be/BcNDUBCKz-s*](https://youtu.be/BcNDUBCKz-s)

**Mentors: Liza Wood and Hugh Faloon**

The Muslim community is expected to be 6.6% of the population by 2030. This Mobile app enable will this growing consumer segment to more easily access relevant businesses and services such as restaurants, supermarkets and retails stores and enable such businesses to more easily plan and target their offerings.