THRIVING ON ENTREPRENEURIAL SUCCESS
FLORIAN VILLAUMÉ, DIRECTOR, MCE, ST. JOHN’S, N.L.

The Memorial Centre for Entrepreneurship (MCE) launched the Entrepreneurial Work Term (EWT) program in Winter 2016 and is proud to have supported 40 engineering students to-date.

An EWT is a full-time, semester-long experience that allows entrepreneurial students to develop their business ideas and their interest in entrepreneurship. During an EWT, students receive business mentorship, are hosted at MCE’s co-working space and are accountable to other fellow entrepreneurs. MCE is a campus-wide centre at Memorial that provides inspiration, guidance, resources, and an entrepreneurial community to undergraduate and graduate students. More information concerning the MCE can be found at: https://www.mun.ca/mce/

PROSPRE – MOBILE NUTRITION APP!
JONATHAN YOUNG, WORK TERM 5, COMPUTER & COLIN HUNT, WORK TERM 5, ELECTRICAL

Prospre helps make high-level nutrition simple. Originally started as a side-project, Prospre has since evolved into a startup based out of the MCE. After completing a semester working on the business full-time, we are excited to continue our work for the remainder of our degrees and onward.

The goal of the Prospre mobile app is to make it easy for people to hit specified nutrition goals in a way that fits their lifestyle. This is done through the creation of meal plans which fit the user’s targets for a variety of nutrients, including calories, protein, fats, carbohydrates and more. All meal plans are tailored to fit the user’s personal preferences, which the app learns over time. To make the meal plans easier to follow, they are dynamic. If a user strays from the plan for a meal or two, it will automatically re-adjust to keep them on track.

Pursuing an entrepreneurial endeavor while still in undergraduate studies has been a rewarding experience. We have been able to make use of many of the softer skills developed during our engineering degree. The business has been a success so far, already acquiring several paying customers for our beta version, from which much insight has been gained on potential future improvements.

SPRING WORK TERM:
Apr. 29-Aug. 23, 2019
Students are still available for the Spring Work Term!

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FALL WORK TERM:
Aug. 26-Dec. 20, 2019
Competition start date: May 16, 2019
Interview start date: May 27, 2019

WORK TERM AWARD WINNERS
FALL 2018

Nigel Chaytor
[Meridian Engineering Inc., N.L., Work Term 3]
PEGNL Connections East Award

John Ennis
[Ericsson, Ont., Work Term 6]
PEGNL W.W. Cossitt Award

Emma Power
[Borealis Wind, Kitchener, Ont., Work Term 4]
S.P. Raheja Memorial Scholarship

Matthew Lawrence
[Husky Energy, N.L., Work Term 3]
Gosine Family Scholarship

Figure 1: Prospre App (submitted by Jonathan Young)
INNOVATIVE ANTIBACTERIAL COATINGS
RAMESH MANI, POLYAMYNA NANOTECH INC., ST. JOHN’S, N.L.

Polyamyna Nanotech Inc. (PNI) is a Canadian-based next-generation antimicrobial technology firm, lead by two PhD founders.

The hospital environment is the most vital, yet neglected, factor in healthcare-associated infections. Existing antimicrobial coatings are largely ineffective against multidrug-resistant (MDR) microbes and subsequently fail to prevent microbial transmission. To tackle this global emergency as well as sharing in the $4B antimicrobial coatings market, PNI has developed advanced antimicrobial additives to completely eradicate the MDR bacteria, which could drastically reduce the infection rates in hospitals. The PNI antimicrobial coatings not only kill the most dangerous bacteria such as MRSA, E. coli, and P. aeruginosa completely, but also stops the pathogenic bacteria from growing again on the surfaces. PNI’s superior antimicrobial technology is lethal to unwanted pathogenic organisms, which are expected to propel its utilization in hospitals, homes, schools, industrial, and commercial applications.

This winter, we hired Jessica Fudge (work term 1, process) through the Venture for Canada program. She was one of the core members of our research team in designing, developing and testing the antimicrobials. During the past four months, she synthesized several antimicrobials, out of which some have shown remarkable biological data against a wide range of the deadlest bacteria. She learned new processes, worked in our chemistry laboratory and operated sophisticated analytical instruments at Memorial. Check out their website to learn more: https://www.polyamyna.ca/

COLAB COLLABORATIONS
ADAM KEATING, CEO, COLAB, ST.JOHN’S, N.L.

CoLab Software is a startup based in St. John’s, committed to solving collaboration challenges on innovative engineering projects. CoLab’s first product, Gradient, is a design review and issue tracking platform for mechanical design teams. Following a successful beta program with companies across North America, CoLab released Gradient to market which has seen significant traction. To rapidly expand Gradient’s functionality, CoLab brought in John Barry, Neil Wadden, and Lauren Whelan to join the development team, all on their fourth work term.

The students helped build core aspects of the application, including Gradient’s review planner, issue resolutions, reporting system, and more. They brought in a level of diligence and skill that rivaled engineering graduates with years of experience and were amazing assets to the team. John, Neil, and Lauren continuously met deadlines and exceeded expectations when it came to developing Gradient features that were critical for closing negotiations with global manufacturing companies. Functionality built by John, Neil, and Lauren Gradient’s users include multi-billion, multinational organizations.

According to Adam Keating, CEO of CoLab: “John, Neil, and Lauren not only developed core aspects of our application to the highest degree of quality but as a result of their work, allowed us to hit a few major value-creation milestones for our users. This work enables us to work with some of the coolest companies in the world.”