
Engaging the Entire Community in Community & Economic Development

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The University of Vermont

College of Agriculture and Life Sciences

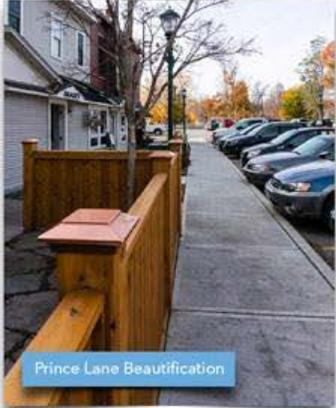


Community Development
and Applied Economics

Engaging the Entire Community...



Supporting Dynamic Downtowns



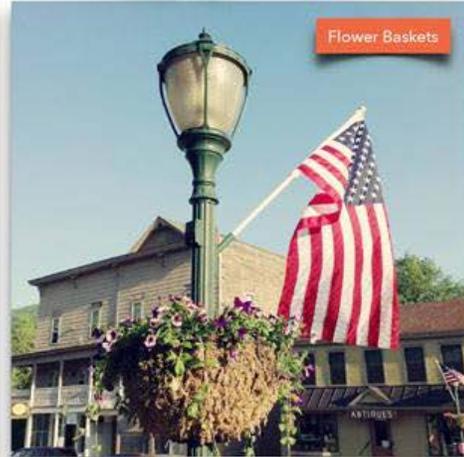
Prince Lane Beautification



Entry Corner of Town Green



Signature Event - Pocock Rocks!



Flower Baskets



Town Green Lighting



Bristol's Designated Downtown Organization

Service-Learning Partnership since 2015



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Working “Upstream” for a Prosperous Community – NEK Prosper



To improve health and wellbeing of the people in Caledonia and southern Essex counties by integrating our efforts and services with an emphasis on reducing poverty.

We will work together to ensure our population is:



Cultivating an entrepreneurial ecosystem through Collective Impact: NEK Prosperity Fund

Evaluation and Research Partnership

Photo credit: NVRH

Family Business as a Community Economic Development Strategy

Legislative Summit

November 14 2018



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Family Businesses are...

- Prevalent ...just look at the number of vehicles with family names or name an agricultural enterprise that is NOT a family business
- Relevant ... have you hugged your plumber lately?
- Committed ... what are the business flags flying in your local rink?
- Enduring?



Endurance requires ...

- Skilled employees
- Competitive comparability
 - A fair and transparent regulatory environment
 - Equivalent tax burdens
 - Readily available, fairly priced financial capital
- The “next generation” has to see something worth aspiring towards



Economic Impact of Vermont's Land-based Enterprises

Jane Kolodinsky, Ph.D.

**Chair, Department of Community Development and Applied Economics
Director, Center for Rural Studies**



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Economic Contribution

Direct Effects

The direct effect results from purchases or expenditures directly on a product or service

Indirect Effects

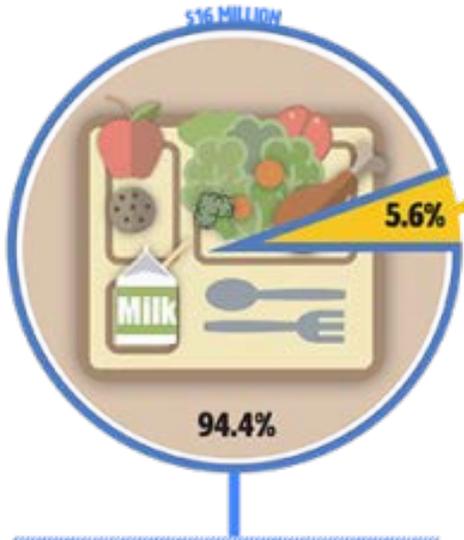
The indirect effect results from the suppliers purchasing goods and services and hiring workers to fill those needs.

Induced Effects

The induced effect results from the effects of the changes in household income due to the economic activity from the direct and indirect effects.

What Happens When Schools Buy Local Food?

EVERY  SPENT CONTRIBUTES ADDITIONAL **60¢** to the LOCAL ECONOMY



Vermont schools spent **\$16 million** on food in the 2013-2014 school year.

\$915,000 was spent on local food

Direct Effect

Which directly supported local producers and processors...



Indirect Effect

Which means farmers can **grow** their businesses... ...and **support** other businesses like distributors & stores



All together, local food purchased by schools contributed **\$1.4 MILLION** to Vermont's economy!

Induced Effect



Multiplier = 1.6

Imagine the possibilities

if more of the remaining **\$15 MILLION** were spent on local food!

The Vermont Maple Industry

Vermont maple producers are the top producers in the US and the sector has grown tremendously in Vermont over the years with a 131% growth in production between 1992 and 2014. Maple is a key enterprise for Vermont. It is the fourth most valued agricultural commodity and it is the second most valued crop closely behind greenhouses and nurseries. The Vermont maple industry is not limited to the producers but includes key sectors: packers and processors, equipment manufacturers, equipment dealers and installers.

Maple Multiplier

The total effect sales multiplier is 1.49, meaning that for every dollar in sales generated by the maple industry another \$0.49 circulated into the economy.

The Vermont maple industry contributed between \$317 and \$330 million in sales in 2013.

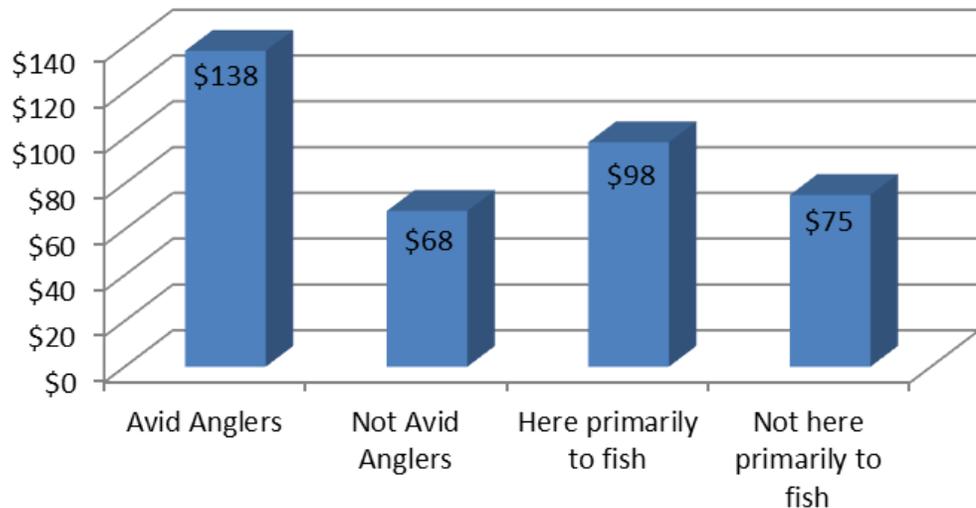


Angler's Contribution to the Vermont Economy

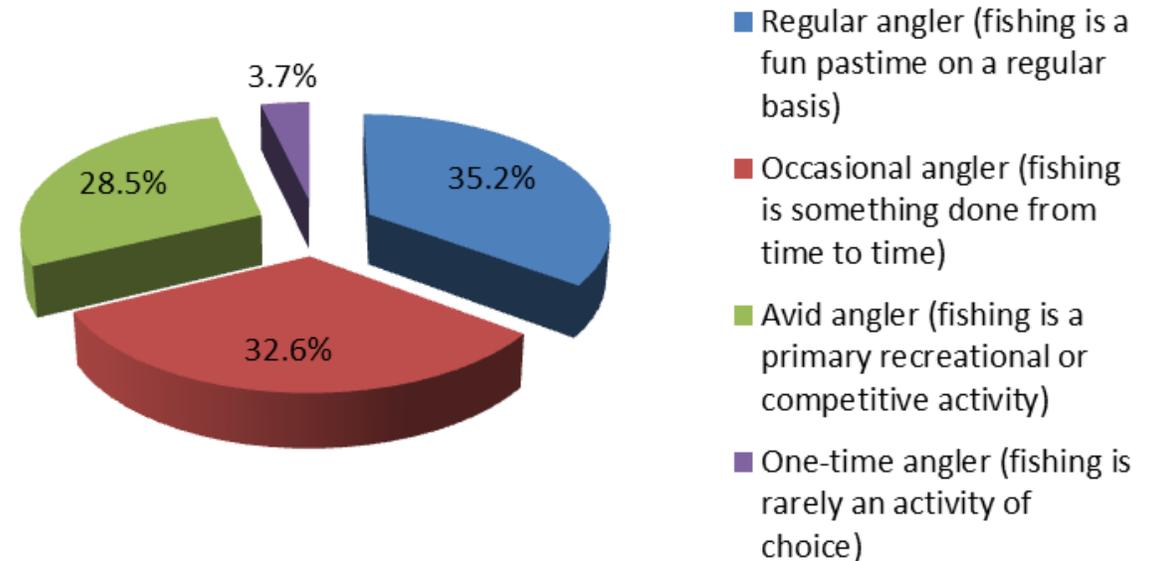
Nearly 56% of those who had fished Lake Champlain reported that fishing was their primary reason for coming to the area.

\$72,964,000 in licensed Lake Champlain angler spending in 2012.

Avg. spending per day by angler type



Lake Champlain Angler Types



Currently Estimating the Economic Contribution of the Equine Industry in Vermont



Agricultural transition as a way towards economic development in Vermont



Heather Darby
UVM Extension



Steven Kostell
*Community Development
and Applied Economics*



The University of Vermont

Sustainable Rural Economies

Transition Design

'...the process that requires a vision, the integration of knowledge, and the need to think and act at different levels of scale, and that is highly contextual – relationships, connections, and place'.

(Irwin, 2015, 238)

Agricultural Systems

Ecological Systems

Social/Cultural Systems

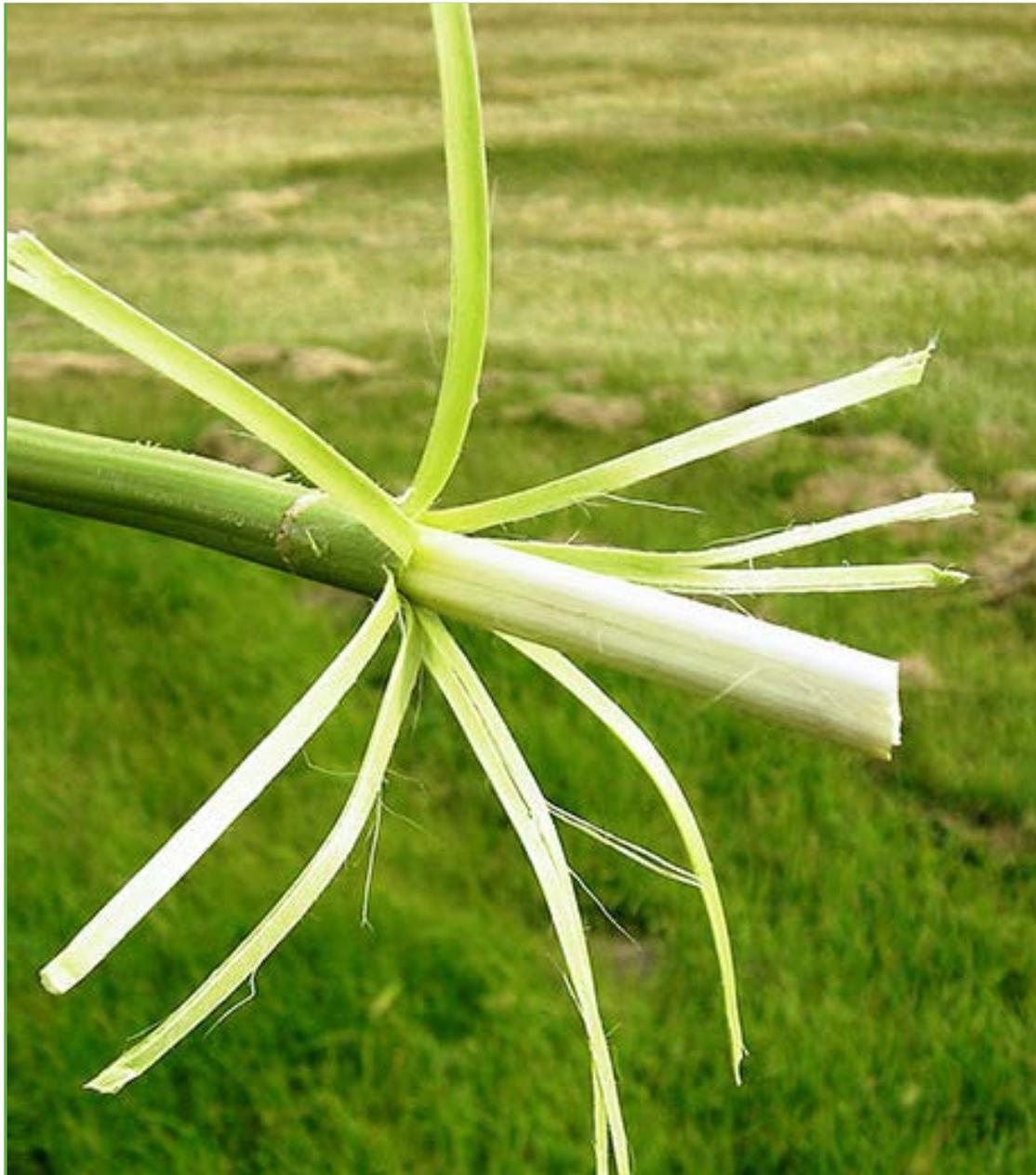
Economic/Political Systems



Agriculture Transition

- Diversified
- Value added
- Scalable





Biomaterial opportunities

- Processing
- Material Development
- Manufacturing
- Vermont Made Products

Opportunities

INNOVATION

- Rural Innovation Hubs
- Corporate Partnerships
- UVM Research/Design/Development

MANUFACTURING

- Food / Fuel / Fiber
- Medicine
- Technology

INDUSTRY PARTNERSHIPS

- Food System
- Building / Construction
- Regional Processing

ECONOMIC

- Incentives to buy local
- Policy to attract investment
- Vermont Made

University of Vermont



Since 1791

Students and Graduates



Major: Environmental Studies- CALS
Minor: Community Entrepreneurship
Green Building/Community Design

B.S: 2010

Co-Founder: Mad River Solar

“UVM gave me the knowledge and leadership skills to build a successful career and now company in the fast paced, high growth solar industry. From the ENVS and CDAE programs, to the UVM track and field team, and numerous clubs, I couldn’t be more thankful and proud to be a UVM alumnus. My time at UVM allowed me to fall in love with Vermont, knowing after graduating that this is where I wanted to start my family and grow my company,” **Jared Alvord**

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and Applied Economics



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Major: Natural Resource Planning, RESNR

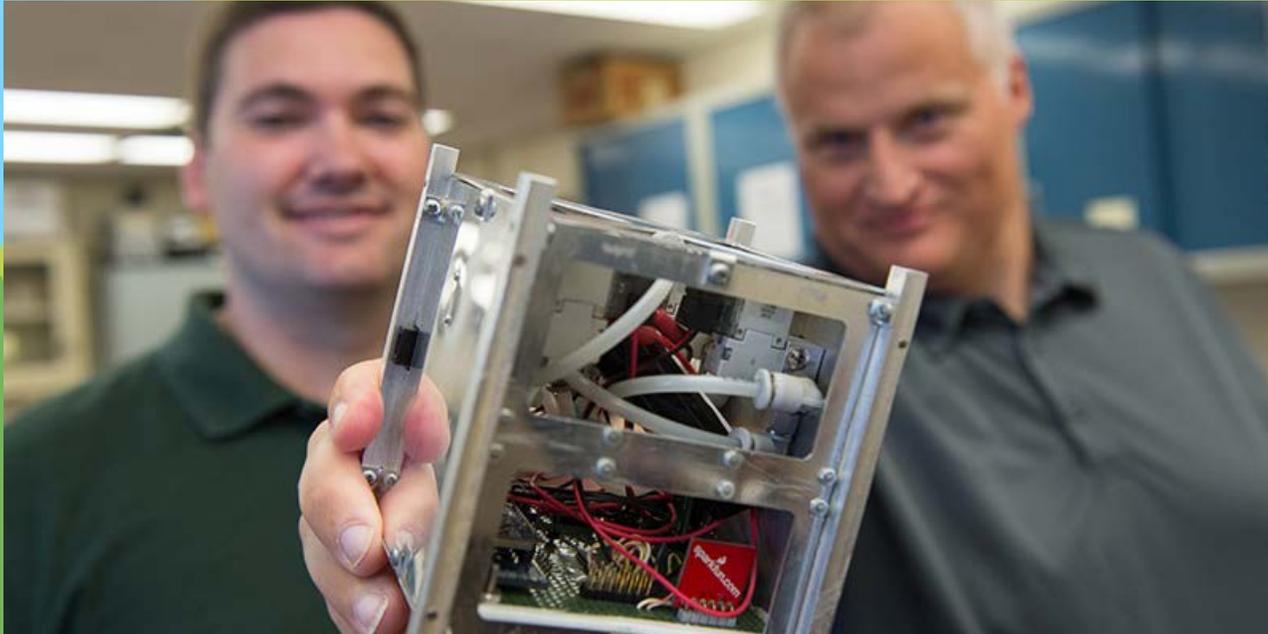
B.S.: 2008

**Transportation Planner: Chittenden
County Regional Planning Commission**

“UVM not only provided me with the skills to succeed professionally, but also the connections to the community to allow me to live, work and participate in the local economy,” **Chris Dubin**

Rubenstein School of the
Environment and Natural Resources





Major: M.S., Mechanical Engineering;
Ph.D.: Mechanical Engineering

M.S.: 2011

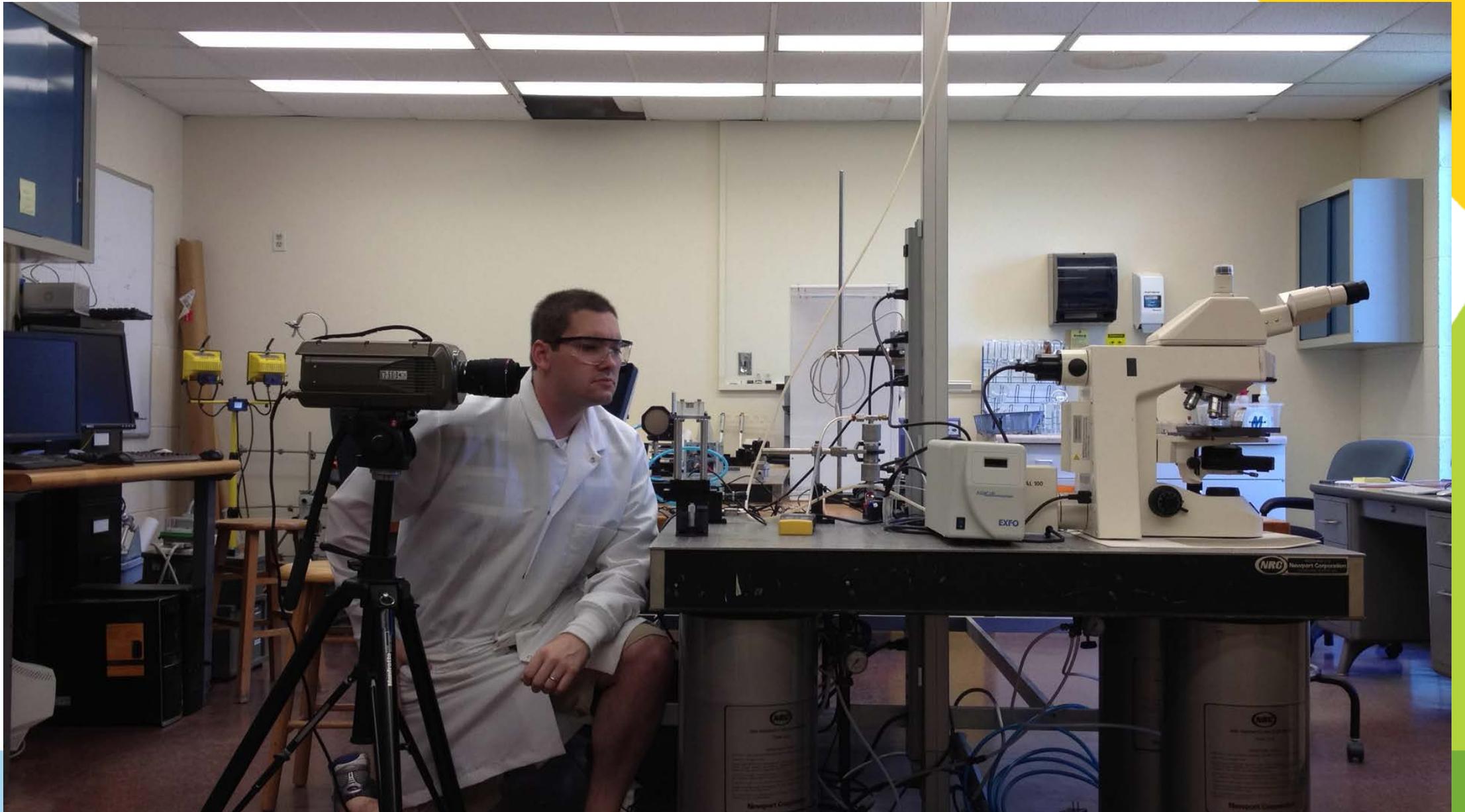
Ph.D.: 2014

Co-founder and CEO: **Benchmark Space
Systems**

“Working with UVM has helped us bring our research out of the lab and turn it into a product our customers are excited about,” **Ryan McDevitt**

College of Engineering and
Mathematical Sciences





**Majors: Community and International
Development, CALS**

**Community Development and Applied
Economics**

B.S.: 2008

M.S.: 2011

Director: Center for Women and Enterprise



“The University of Vermont and CDAE introduced me to community. Because of how deeply rooted the faculty is in the community, I had the opportunity to experience a breadth of learning opportunities that have not only kept me in Vermont, but kept me involved in the economic development efforts within our state.” **Gwen Pokalo**

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GRAYSON GLOSSER, Chemistry – Hospit-All Gown

JAEN CARRODINE, Engineering – Mag Bindings



**Major: Medical Student
Larner College of Medicine**

M.D: Class of 2019

**CEO: *Catamount Innovation
Fund***

"We [CIF] want to be the central resource on campus for student entrepreneurs to provide them support at whatever stage, whether it be idea refinement, prototype development, sales' acquisition, or whatever else they need to transform their idea into a successful business," **Al Marchese**



**The University
of Vermont**

LARNER COLLEGE OF MEDICINE



Major: Environmental Science (CALs)
Minor: Food Systems (CALs)
B.S.: Class of 2017

Economic Development Director:
Revitalizing Waterbury

College of Agriculture and Life Sciences



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“UVM gave me the tools and perspective to work in community development. My experiences inside and outside the classroom drove my desire to call Vermont home. From working to increase local food purchasing on campus to service learning courses and leading a Youth Conservation Corps trail crew, UVM immersed me in communities across the state.” **Aylssa Johnson**