

Chris Saulnier

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Education	Massachusetts Institute of Technology Cambridge, MA <i>PhD Candidate in Product Design, Summer 2018</i> Developing, teaching, and evaluating innovative approaches to design education. Emphasis on project-based human-centered product design classes for undergraduate mechanical engineering students. Created and implemented "Design for the Wilderness" class that develops students' design thinking, engineering science worldview, and leadership skills through design/build projects and wilderness travel. Extensive experience designing, implementing, assessing and communicating the results of qualitative and quantitative research studies. <i>GPA: 5.0 / 5.0</i> <i>Master of Science in Technology and Policy, September 2015</i> Relevant Coursework: Law, Tech., and Public Policy; Microeconomic Theory and Public Policy; Science, Tech., and Public Policy; Theory and Practice of Public Policy <i>GPA: 5.0 / 5.0</i> Dalhousie University Halifax, Canada <i>Bachelor of Computer Engineering, June 2012</i> <i>University Medal in Computer Engineering (awarded for highest GPA)</i>
Teaching	MIT Mechanical Engineering, Introduction to Design , (Lab Instructor Fall 2017) MIT Mechanical Engineering, Product Engineering Process (Mentor Fall 2017) MIT Mechanical Engineering, Toy Product Design (Lab Instructor Spring 2017) MIT Global Leadership Program, Design for the Wilderness (Creator/Instructor 2014-2017) MIT Engineering Systems Division, Leadership Development (Instructor Fall 2014)
Publications	2 first-author journal articles; 6 first-author peer-reviewed conference publications.
Experience	Outward Bound Canada (Summer 2012 and 2013) Canmore, Canada <i>Instructor</i> <ul style="list-style-type: none">Guided 17-day expeditions facilitating group and individual leadership development set against a backdrop of backcountry wilderness travel and survival skill development. Independent Consultant (2012 - 2013) Halifax, Canada <ul style="list-style-type: none">Facilitated consultation sessions for engineering students at Dalhousie University to identify desired features in a new engineering building while securing support for a new fee resulting in an additional 7.5 million dollars of funding for the project.Facilitated public consultation session co-hosted by the Nova Scotia Premier's Office and FusionHFX that produced a report recommending strategic initiatives for the province to help grow the economy and reduce out-migration of young professionals from the region. Dalhousie Student Union (2010 – 2012) Halifax, Canada <i>President and CEO</i> <ul style="list-style-type: none">Managed four full-time student Vice Presidents and nine career full-time staff members in an organization with over 125 part time student employees; provided a diverse array of services with a three million dollar yearly operating budget.Served as the Chair of the Canadian Alliance of Student Associations; developed policy and acted as the spokesperson for over 320,000 students at 26 member institutions regularly providing print, radio and television interviews.Provided strategic guidance to Dalhousie University through voting membership on the University Senate, Board of Governors, and other university committees.
Undergrad Internships	ODIM Brooke Ocean (8-months) ; developed embedded real-time firmware for a laser optical plankton counter; and Acceleware (4-months) ; developed a data compression technique that increased speed and preserved accuracy of high-speed mathematical simulations on GPUs.
Leadership	Outward Bound Thompson Island , High School Physics Outreach (2015-2017) MIT Graduate School Leadership Institute , Founding Fellow and Facilitator (2016-2017) MIT Outing Club Board of Directors, Member at Large and Climbing Chair (2014-2018) Dalhousie Alumni Association , Board Member (2010-2014)
Awards/Honors	MIT : Keil Fellowship (Fall 2013); Dalhousie University : Governors' Award (2012); Dalhousie University : Chancellors Scholarship (2006-2009); Shad Valley : 25 th Anniversary Scholarship (2006); Duke of Edinburgh's Award : Bronze, Silver and Gold Standard
Et cetera	Association of Canadian Mountain Guides : Assistant Hiking Guide Wilderness First Responder : 80 hour first aid certification National Outdoor Leadership School : Winter Outdoor Educator Program Outward Bound Canada : Mountain Instructor Development Program
Interests	climbing, long distance hiking, and mountaineering.